

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112923\
 Data File : VY016526.D
 Acq On : 29 Nov 2023 08:48
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/30/2023
 Supervised By :Semsettin Yesilyurt 11/30/2023

Quant Time: Nov 30 03:04:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 02:51:41 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.832	168	163933	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.728	114	259344	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.520	117	220601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.453	152	99706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.185	65	6400	4.942	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.880%#		
35) Dibromofluoromethane	7.758	113	7282	4.784	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.560%#		
50) Toluene-d8	10.215	98	27460	4.651	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.300%#		
62) 4-Bromofluorobenzene	12.508	95	8633	4.661	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.320%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	7425	5.200	ug/l	100
3) Chloromethane	2.138	50	7588	5.327	ug/l	97
4) Vinyl Chloride	2.278	62	8281	5.150	ug/l	98
5) Bromomethane	2.686	94	5457	5.243	ug/l	96
6) Chloroethane	2.833	64	5403	5.205	ug/l	96
7) Trichlorofluoromethane	3.168	101	13382	4.808	ug/l	95
8) Diethyl Ether	3.570	74	3481	4.709	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.948	101	7775	4.921	ug/l	99
10) Methyl Iodide	4.143	142	8031	4.493	ug/l	100
11) Tert butyl alcohol	5.003	59	2102m	25.607	ug/l	
12) 1,1-Dichloroethene	3.918	96	6975	4.723	ug/l #	80
13) Acrolein	3.771	56	3484	22.398	ug/l	97
14) Allyl chloride	4.527	41	7897	4.652	ug/l #	89
15) Acrylonitrile	5.222	53	6359	24.307	ug/l #	83
16) Acetone	3.991	43	7559	32.785	ug/l	92
17) Carbon Disulfide	4.247	76	20100	4.825	ug/l	96
18) Methyl Acetate	4.533	43	4227	4.409	ug/l #	84
19) Methyl tert-butyl Ether	5.271	73	14877	4.623	ug/l	92
20) Methylene Chloride	4.771	84	11354	5.082	ug/l	87
21) trans-1,2-Dichloroethene	5.277	96	8239	5.009	ug/l #	77
22) Diisopropyl ether	6.173	45	16934	4.757	ug/l #	86
23) Vinyl Acetate	6.112	43	38476	23.439	ug/l #	87
24) 1,1-Dichloroethane	6.070	63	12100	4.817	ug/l #	94
25) 2-Butanone	7.033	43	9418	26.952	ug/l #	80
26) 2,2-Dichloropropane	7.033	77	12270	4.942	ug/l	95
27) cis-1,2-Dichloroethene	7.033	96	8311	4.703	ug/l	88
28) Bromochloromethane	7.380	49	4787	5.273	ug/l #	73
29) Tetrahydrofuran	7.393	42	4100	21.841	ug/l #	75
30) Chloroform	7.551	83	13894	4.962	ug/l	100
31) Cyclohexane	7.832	56	12063	5.305	ug/l #	57
32) 1,1,1-Trichloroethane	7.746	97	13230	4.876	ug/l	96
36) 1,1-Dichloropropene	7.960	75	10527	4.683	ug/l	96
37) Ethyl Acetate	7.118	43	3038	4.312	ug/l #	82
38) Carbon Tetrachloride	7.941	117	12359	4.685	ug/l	98
39) Methylcyclohexane	9.222	83	12446	4.439	ug/l	92
40) Benzene	8.204	78	30682	4.814	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.356	41	1731	4.445	ug/l #	83
42) 1,2-Dichloroethane	8.271	62	7598	4.811	ug/l	90
43) Isopropyl Acetate	8.307	43	6295	4.544	ug/l #	80
44) Trichloroethene	8.978	130	9166	4.669	ug/l	96
45) 1,2-Dichloropropane	9.252	63	6903	4.800	ug/l	96
46) Dibromomethane	9.344	93	3924	4.853	ug/l	99
47) Bromodichloromethane	9.533	83	10114	4.737	ug/l #	98
48) Methyl methacrylate	9.331	41	3395	4.365	ug/l #	81
49) 1,4-Dioxane	9.337	88	650	86.807	ug/l #	65
51) 4-Methyl-2-Pentanone	10.100	43	16395	22.686	ug/l #	83
52) Toluene	10.276	92	18916	4.621	ug/l	96
53) t-1,3-Dichloropropene	10.496	75	9178	4.639	ug/l	99
54) cis-1,3-Dichloropropene	9.959	75	11181	4.664	ug/l #	84
55) 1,1,2-Trichloroethane	10.673	97	5666	4.856	ug/l	93
56) Ethyl methacrylate	10.538	69	4100	4.152	ug/l #	75
57) 1,3-Dichloropropane	10.825	76	8852	4.710	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.813	63	12717	20.827	ug/l #	90
59) 2-Hexanone	10.862	43	14121	24.737	ug/l	84
60) Dibromochloromethane	11.014	129	7174	4.704	ug/l	100
61) 1,2-Dibromoethane	11.124	107	5210	4.728	ug/l	100
64) Tetrachloroethene	10.752	164	9127	4.649	ug/l	97
65) Chlorobenzene	11.544	112	21262	4.813	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.618	131	8106	4.786	ug/l	97
67) Ethyl Benzene	11.624	91	35786	4.615	ug/l	99
68) m/p-Xylenes	11.727	106	27663	9.217	ug/l	90
69) o-Xylene	12.056	106	12510	4.540	ug/l	90
70) Styrene	12.075	104	17283	4.360	ug/l	96
71) Bromoform	12.239	173	4228	4.833	ug/l #	96
73) Isopropylbenzene	12.355	105	33379	4.415	ug/l	98
74) N-amyl acetate	12.166	43	4404	4.124	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.611	83	5478	4.881	ug/l	92
76) 1,2,3-Trichloropropane	12.660	75	4341m	5.168	ug/l	
77) Bromobenzene	12.636	156	8243	4.682	ug/l	88
78) n-propylbenzene	12.697	91	38945	4.502	ug/l	98
79) 2-Chlorotoluene	12.782	91	22236	4.622	ug/l	96
80) 1,3,5-Trimethylbenzene	12.837	105	26773	4.405	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.410	75	1853	4.827	ug/l #	78
82) 4-Chlorotoluene	12.879	91	22974	4.651	ug/l	97
83) tert-Butylbenzene	13.099	119	25416	4.633	ug/l	95
84) 1,2,4-Trimethylbenzene	13.148	105	26012	4.396	ug/l	96
85) sec-Butylbenzene	13.276	105	34056	4.489	ug/l	98
86) p-Isopropyltoluene	13.392	119	28087	4.285	ug/l	97
87) 1,3-Dichlorobenzene	13.392	146	15925	4.790	ug/l	98
88) 1,4-Dichlorobenzene	13.471	146	15676	4.818	ug/l	94
89) n-Butylbenzene	13.721	91	25165	4.380	ug/l	97
90) Hexachloroethane	13.983	117	5993	4.686	ug/l	96
91) 1,2-Dichlorobenzene	13.763	146	13113	4.654	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.379	75	649	4.110	ug/l	80
93) 1,2,4-Trichlorobenzene	15.032	180	6237	6.779	ug/l	98
94) Hexachlorobutadiene	15.135	225	4452	4.563	ug/l	96
95) Naphthalene	15.257	128	9874	7.822	ug/l	100
96) 1,2,3-Trichlorobenzene	15.452	180	4891	7.291	ug/l	95

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Reviewed By :Mahesh Dadoda 11/30/2023
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Abundance

TIC: VY016526.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Dichlorodifluoromethane,T
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloromethane,T
Trichlorofluoromethane,T
Diethyl Ether,T
Acrolein,T
Acetone,P
Methyl iodide,T
Carbon disulfide,T
Methyl acetate,T
Methylene Chloride,T
Tert butyl alcohol,T
Acrylonitrile,T
1,1-Dichloroethane,T
1,1-Dichloroethene,T
Ethyl acetate,T
Methyl acetate,T
Chloroform,C
Dibutyltin dichloride,S
Gamma-butyrolactone,T
Isobutyl acetate,T
1,2-Dichloroethane,T
1,4-Difluorobenzene,I
Trichloroethene,TM
1,2-Dichloroethane,T
Bromodichloromethane,T
2-Chloroethyl Vinyl ether,T
cis-1,3-Dichloropropene,I
4-Methyl-2-Pentanone,T
Toluene,CM
Ethyl hexachloropropene,T
1,2-Trichloroethane,T
1,3-Dichlorobenzene,T
Dibromochloromethane,T
1,2-Dibromoethane,I
Chlorobenzene,T
1,1,1-Trichloroethane,T
Ethylbenzene,I
Styrene,Xylene,T
Bromoacetate,T
trans-1,4-Dichloro-2-butadiene,T
Bromofluorobenzene,S
1,2,2,2-Tetrachloro-1,3-butadiene,T
1,2,3,4-Tetrachlorobenzene,T
4-Chlorobenzonitrile,T
tert-Butylbenzene,T
sec-Butylbenzene,T
1,4-Dichlorobenzene,T
1,2-Dichlorobenzene,T
Hexachloroethane,T
1,2-Dibromo-3-Chloropropane,T
1,2,4-Trichlorobenzene,T
Hexachlorobutadiene,T
Naphthalene,I
1,2,3-Trichlorobenzene,T