

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120423\
 Data File : VY016572.D
 Acq On : 04 Dec 2023 12:22
 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 12/05/2023
 Supervised By :Semsettin Yesilyurt 12/05/2023

Quant Time: Dec 05 01:06:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 00:54:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	204527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	319948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	271890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	126589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	9712	5.138	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.280%#		
35) Dibromofluoromethane	7.734	113	9886	5.134	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.260%#		
50) Toluene-d8	10.197	98	34784	4.776	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.560%#		
62) 4-Bromofluorobenzene	12.495	95	11472	4.790	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.580%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	10233	5.664	ug/l	89
3) Chloromethane	2.125	50	10367	5.531	ug/l	99
4) Vinyl Chloride	2.266	62	10242	5.411	ug/l	98
5) Bromomethane	2.668	94	6292	5.307	ug/l	99
6) Chloroethane	2.814	64	5871	5.022	ug/l	95
7) Trichlorofluoromethane	3.143	101	18633	5.208	ug/l	99
8) Diethyl Ether	3.546	74	4998	5.016	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.918	101	10482	5.239	ug/l	98
10) Methyl Iodide	4.113	142	10402	4.920	ug/l	99
11) Tert butyl alcohol	4.972	59	3445	26.747	ug/l #	91
12) 1,1-Dichloroethene	3.893	96	9133	5.025	ug/l	86
13) Acrolein	3.741	56	4325	23.097	ug/l	96
14) Allyl chloride	4.503	41	14254	5.139	ug/l	98
15) Acrylonitrile	5.192	53	9903	24.622	ug/l	98
16) Acetone	3.960	43	13205	30.869	ug/l	92
17) Carbon Disulfide	4.223	76	26458	5.192	ug/l	99
18) Methyl Acetate	4.503	43	8163	4.814	ug/l #	89
19) Methyl tert-butyl Ether	5.247	73	21253	4.757	ug/l	93
20) Methylene Chloride	4.747	84	13407	4.011	ug/l #	85
21) trans-1,2-Dichloroethene	5.247	96	10653	5.212	ug/l	82
22) Diisopropyl ether	6.143	45	27304	4.786	ug/l #	94
23) Vinyl Acetate	6.082	43	66060	24.121	ug/l #	86
24) 1,1-Dichloroethane	6.045	63	18267	5.212	ug/l #	96
25) 2-Butanone	7.003	43	16386	27.857	ug/l	98
26) 2,2-Dichloropropane	6.996	77	16913	5.133	ug/l	99
27) cis-1,2-Dichloroethene	7.009	96	11096	4.932	ug/l	96
28) Bromochloromethane	7.356	49	7523	5.299	ug/l	96
29) Tetrahydrofuran	7.368	42	8198	24.445	ug/l	96
30) Chloroform	7.527	83	19303	5.167	ug/l	90
31) Cyclohexane	7.801	56	19371	6.003	ug/l #	77
32) 1,1,1-Trichloroethane	7.722	97	18225	5.155	ug/l	99
36) 1,1-Dichloropropene	7.935	75	14465	4.942	ug/l	96
37) Ethyl Acetate	7.094	43	6126	5.002	ug/l	96
38) Carbon Tetrachloride	7.923	117	16774	4.950	ug/l	99
39) Methylcyclohexane	9.197	83	16952	4.807	ug/l	95
40) Benzene	8.179	78	41684	5.053	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	2994	4.341	ug/l	96
42) 1,2-Dichloroethane	8.252	62	11970	4.997	ug/l	95
43) Isopropyl Acetate	8.289	43	11035	4.671	ug/l #	89
44) Trichloroethene	8.953	130	12802	5.146	ug/l	86
45) 1,2-Dichloropropane	9.234	63	9910	4.989	ug/l	100
46) Dibromomethane	9.319	93	5343	4.907	ug/l	98
47) Bromodichloromethane	9.514	83	14279	4.926	ug/l	99
48) Methyl methacrylate	9.307	41	6208	4.550	ug/l	94
49) 1,4-Dioxane	9.313	88	961	87.197	ug/l #	36
51) 4-Methyl-2-Pentanone	10.087	43	28192	22.961	ug/l	98
52) Toluene	10.258	92	24828	4.802	ug/l	96
53) t-1,3-Dichloropropene	10.478	75	13109	4.792	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	15363	4.782	ug/l	96
55) 1,1,2-Trichloroethane	10.660	97	7346	4.843	ug/l	94
56) Ethyl methacrylate	10.526	69	6026	4.334	ug/l	95
57) 1,3-Dichloropropane	10.801	76	12183	4.755	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.801	63	16867	19.686	ug/l #	85
59) 2-Hexanone	10.843	43	22346	24.058	ug/l	94
60) Dibromochloromethane	10.996	129	10203	5.035	ug/l	96
61) 1,2-Dibromoethane	11.099	107	6800	4.767	ug/l	91
64) Tetrachloroethene	10.734	164	12550	5.037	ug/l	95
65) Chlorobenzene	11.532	112	27174	4.934	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	10623	4.935	ug/l	98
67) Ethyl Benzene	11.605	91	48605	4.921	ug/l	96
68) m/p-Xylenes	11.715	106	35579	9.490	ug/l	95
69) o-Xylene	12.038	106	16523	4.721	ug/l	98
70) Styrene	12.057	104	23169	4.614	ug/l	98
71) Bromoform	12.221	173	5466	4.703	ug/l #	99
73) Isopropylbenzene	12.343	105	43814	4.674	ug/l	99
74) N-amyl acetate	12.154	43	8437	4.514	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.593	83	7800	5.232	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	5703m	4.866	ug/l	
77) Bromobenzene	12.624	156	10600	4.798	ug/l	94
78) n-propylbenzene	12.684	91	52911	4.850	ug/l	100
79) 2-Chlorotoluene	12.770	91	29868	4.858	ug/l	97
80) 1,3,5-Trimethylbenzene	12.825	105	35686	4.685	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	2468	4.869	ug/l	94
82) 4-Chlorotoluene	12.867	91	31648	4.975	ug/l	98
83) tert-Butylbenzene	13.087	119	32198	4.731	ug/l	97
84) 1,2,4-Trimethylbenzene	13.130	105	34745	4.670	ug/l	97
85) sec-Butylbenzene	13.264	105	46019	4.815	ug/l	99
86) p-Isopropyltoluene	13.379	119	38615	4.654	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	20835	4.941	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	20971	5.067	ug/l	94
89) n-Butylbenzene	13.709	91	35760	4.793	ug/l	100
90) Hexachloroethane	13.971	117	8157	4.997	ug/l	94
91) 1,2-Dichlorobenzene	13.751	146	17554	4.848	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	1054	4.418	ug/l	95
93) 1,2,4-Trichlorobenzene	15.019	180	8868	4.340	ug/l	98
94) Hexachlorobutadiene	15.129	225	6574	5.093	ug/l	97
95) Naphthalene	15.251	128	13433	3.188	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	6728	3.628	ug/l	98

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

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