

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016689.D
 Acq On : 19 Dec 2023 10:56
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/20/2023
 Supervised By :Semsettin Yesilyurt 12/20/2023

Quant Time: Dec 20 05:24:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:23:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	171153	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.704	114	265278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	225566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	105290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	7215	5.097	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.200%#		
35) Dibromofluoromethane	7.734	113	7451	4.769	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.540%#		
50) Toluene-d8	10.197	98	24898	4.400	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.800%#		
62) 4-Bromofluorobenzene	12.496	95	7392	4.595	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.180%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	7562	2.743	ug/l	97
3) Chloromethane	2.119	50	18305	2.700	ug/l	93
4) Vinyl Chloride	2.260	62	19715	5.964	ug/l	94
5) Bromomethane	2.662	94	16197	5.647	ug/l	97
6) Chloroethane	2.808	64	14055	5.681	ug/l	93
7) Trichlorofluoromethane	3.137	101	15805	5.455	ug/l	100
8) Diethyl Ether	3.552	74	3975	5.125	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.912	101	8240	5.242	ug/l	91
10) Methyl Iodide	4.107	142	8776	4.916	ug/l	99
11) Tert butyl alcohol	4.979	59	3124	30.304	ug/l #	90
12) 1,1-Dichloroethene	3.887	96	7457	5.230	ug/l	98
13) Acrolein	3.747	56	1098	14.083	ug/l #	64
14) Allyl chloride	4.503	41	9247	5.195	ug/l	88
15) Acrylonitrile	5.180	53	8370	26.957	ug/l	98
16) Acetone	3.967	43	10569	30.067	ug/l #	86
17) Carbon Disulfide	4.216	76	19840	5.200	ug/l	99
18) Methyl Acetate	4.497	43	6322	5.154	ug/l	90
19) Methyl tert-butyl Ether	5.247	73	17039	4.947	ug/l	98
20) Methylene Chloride	4.741	84	12014	2.938	ug/l	96
21) trans-1,2-Dichloroethene	5.235	96	8491	5.266	ug/l #	80
22) Diisopropyl ether	6.137	45	19292	4.735	ug/l #	85
23) Vinyl Acetate	6.082	43	47664m	23.923	ug/l	
24) 1,1-Dichloroethane	6.033	63	14376	5.123	ug/l	99
25) 2-Butanone	7.009	43	12403m	12.699	ug/l	
26) 2,2-Dichloropropane	6.996	77	13311	5.224	ug/l	95
27) cis-1,2-Dichloroethene	7.009	96	8888	4.877	ug/l	89
28) Bromochloromethane	7.344	49	4700	4.613	ug/l #	83
29) Tetrahydrofuran	7.368	42	5481	23.914	ug/l	98
30) Chloroform	7.527	83	15694	5.213	ug/l	99
31) Cyclohexane	7.807	56	13174	5.685	ug/l #	85
32) 1,1,1-Trichloroethane	7.716	97	13640	5.103	ug/l	94
36) 1,1-Dichloropropene	7.935	75	11836	5.008	ug/l	94
37) Ethyl Acetate	7.100	43	4758	5.256	ug/l #	88
38) Carbon Tetrachloride	7.917	117	12697	4.979	ug/l	96
39) Methylcyclohexane	9.197	83	11887	4.369	ug/l	97
40) Benzene	8.179	78	33082	4.872	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	2007	4.175	ug/l #	88
42) 1,2-Dichloroethane	8.258	62	9795	5.098	ug/l	97
43) Isopropyl Acetate	8.289	43	8510	4.895	ug/l	98
44) Trichloroethene	8.953	130	9374	5.017	ug/l	88
45) 1,2-Dichloropropane	9.234	63	7869	4.848	ug/l	91
46) Dibromomethane	9.325	93	4532	4.945	ug/l	97
47) Bromodichloromethane	9.514	83	11849	4.952	ug/l	93
48) Methyl methacrylate	9.307	41	4181	4.432	ug/l #	80
49) 1,4-Dioxane	9.338	88	780m	92.436	ug/l	
51) 4-Methyl-2-Pentanone	10.081	43	20604	23.090	ug/l	92
52) Toluene	10.258	92	19180	4.617	ug/l	94
53) t-1,3-Dichloropropene	10.478	75	10138	4.732	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	11885	4.681	ug/l #	89
55) 1,1,2-Trichloroethane	10.660	97	6595	5.209	ug/l	95
56) Ethyl methacrylate	10.526	69	4465	4.334	ug/l #	86
57) 1,3-Dichloropropane	10.807	76	10365	4.962	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	10395	33.209	ug/l	96
59) 2-Hexanone	10.849	43	15500	23.842	ug/l	92
60) Dibromochloromethane	10.996	129	7270	4.730	ug/l	93
61) 1,2-Dibromoethane	11.105	107	5842	5.124	ug/l	94
64) Tetrachloroethene	10.740	164	7531	4.840	ug/l	88
65) Chlorobenzene	11.532	112	21784	4.877	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.605	131	8329	4.813	ug/l	98
67) Ethyl Benzene	11.605	91	35170	4.407	ug/l	99
68) m/p-Xylenes	11.715	106	25769	8.519	ug/l	99
69) o-Xylene	12.044	106	11746	4.251	ug/l	95
70) Styrene	12.057	104	16379	4.105	ug/l	97
71) Bromoform	12.215	173	4347	4.850	ug/l #	100
73) Isopropylbenzene	12.343	105	31394	4.312	ug/l	100
74) N-amyl acetate	12.160	43	6012	4.564	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.593	83	7195	5.312	ug/l	97
76) 1,2,3-Trichloropropane	12.648	75	4515m	4.933	ug/l	
77) Bromobenzene	12.624	156	8502	4.844	ug/l	97
78) n-propylbenzene	12.684	91	37858	4.386	ug/l	98
79) 2-Chlorotoluene	12.770	91	21804	4.716	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	24497	4.294	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	1945	4.876	ug/l	88
82) 4-Chlorotoluene	12.867	91	22379	4.681	ug/l	100
83) tert-Butylbenzene	13.087	119	22303	4.345	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	24000	4.197	ug/l	99
85) sec-Butylbenzene	13.264	105	32217	4.352	ug/l	100
86) p-Isopropyltoluene	13.386	119	26996	4.171	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	16597	4.778	ug/l	97
88) 1,4-Dichlorobenzene	13.459	146	16542	4.971	ug/l	95
89) n-Butylbenzene	13.709	91	26119	4.415	ug/l	92
90) Hexachloroethane	13.977	117	6267	4.859	ug/l	93
91) 1,2-Dichlorobenzene	13.751	146	13417	4.702	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1034	5.822	ug/l	87
93) 1,2,4-Trichlorobenzene	15.026	180	8206	4.811	ug/l	98
94) Hexachlorobutadiene	15.129	225	5278	4.895	ug/l	97
95) Naphthalene	15.251	128	12343	4.520	ug/l	98
96) 1,2,3-Trichlorobenzene	15.440	180	6973	4.833	ug/l	97

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

