

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022324\
 Data File : VY017467.D
 Acq On : 23 Feb 2024 16:24
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/26/2024
 Supervised By :Semsettin Yesilyurt 02/26/2024

Quant Time: Feb 24 04:47:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	151875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	248879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	218161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	96535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	8896	6.180	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.360%#		
35) Dibromofluoromethane	7.722	113	10376	5.983	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.960%#		
50) Toluene-d8	10.185	98	31252	5.154	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.300%#		
62) 4-Bromofluorobenzene	12.489	95	9520	4.996	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.000%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	6013	5.367	ug/l	98
3) Chloromethane	2.113	50	11000	5.374	ug/l	99
4) Vinyl Chloride	2.247	62	13952	5.313	ug/l	100
5) Bromomethane	2.656	94	12102	5.655	ug/l	96
6) Chloroethane	2.796	64	8352	5.042	ug/l	98
7) Trichlorofluoromethane	3.125	101	13358	4.991	ug/l	94
8) Diethyl Ether	3.521	74	3503	4.462	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	7994	5.193	ug/l	98
10) Methyl Iodide	4.094	142	7519	4.352	ug/l	96
11) Tert butyl alcohol	4.948	59	3657	29.910	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	6843	4.770	ug/l	95
13) Acrolein	3.735	56	4458	27.634	ug/l	98
14) Allyl chloride	4.478	41	8189	4.724	ug/l	96
15) Acrylonitrile	5.167	53	7659	23.734	ug/l	97
16) Acetone	3.948	43	7424	26.592	ug/l	99
17) Carbon Disulfide	4.198	76	21009	4.879	ug/l	98
18) Methyl Acetate	4.472	43	3184	4.701	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	14136	4.227	ug/l #	88
20) Methylene Chloride	4.716	84	14334	3.662	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	7786	4.635	ug/l	93
22) Diisopropyl ether	6.124	45	17409	4.352	ug/l	94
23) Vinyl Acetate	6.064	43	50544	21.204	ug/l	99
24) 1,1-Dichloroethane	6.027	63	13185	4.824	ug/l	97
25) 2-Butanone	6.996	43	9345	23.488	ug/l	90
26) 2,2-Dichloropropane	6.984	77	11206	4.877	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	8557	4.537	ug/l	96
28) Bromochloromethane	7.338	49	5908	5.489	ug/l	97
29) Tetrahydrofuran	7.362	42	5277	22.003	ug/l	96
30) Chloroform	7.514	83	13912	4.781	ug/l	98
31) Cyclohexane	7.795	56	12553	5.359	ug/l #	68
32) 1,1,1-Trichloroethane	7.703	97	12178	4.821	ug/l	98
36) 1,1-Dichloropropene	7.923	75	10805	4.618	ug/l	97
37) Ethyl Acetate	7.088	43	4372	4.731	ug/l #	76
38) Carbon Tetrachloride	7.905	117	10386	4.429	ug/l	97
39) Methylcyclohexane	9.191	83	11887	4.227	ug/l	91
40) Benzene	8.167	78	31715	4.564	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	1993	4.297	ug/l	98
42) 1,2-Dichloroethane	8.246	62	7864	4.638	ug/l	98
43) Isopropyl Acetate	8.277	43	6903	4.251	ug/l	95
44) Trichloroethene	8.947	130	9187	4.587	ug/l	94
45) 1,2-Dichloropropane	9.221	63	7314	4.424	ug/l	97
46) Dibromomethane	9.313	93	4193	4.432	ug/l	93
47) Bromodichloromethane	9.502	83	10219	4.448	ug/l	93
48) Methyl methacrylate	9.295	41	3063	4.075	ug/l	98
49) 1,4-Dioxane	9.301	88	910	84.985	ug/l #	98
51) 4-Methyl-2-Pentanone	10.075	43	19291	21.313	ug/l	96
52) Toluene	10.252	92	18672	4.262	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	8556	4.012	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	11018	4.252	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	6015	4.478	ug/l	97
56) Ethyl methacrylate	10.520	69	5429	5.655	ug/l	96
57) 1,3-Dichloropropane	10.800	76	9733	4.456	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.788	63	17079	22.032	ug/l	98
59) 2-Hexanone	10.837	43	11932	19.192	ug/l	99
60) Dibromochloromethane	10.989	129	6747	4.246	ug/l	98
61) 1,2-Dibromoethane	11.099	107	5341	4.314	ug/l	100
64) Tetrachloroethene	10.727	164	9793	4.677	ug/l	99
65) Chlorobenzene	11.526	112	20708	4.472	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.599	131	7489	4.317	ug/l	99
67) Ethyl Benzene	11.599	91	33429	4.116	ug/l	99
68) m/p-Xylenes	11.709	106	25409	7.963	ug/l	100
69) o-Xylene	12.038	106	11529	3.894	ug/l	98
70) Styrene	12.050	104	17975	3.658	ug/l	99
71) Bromoform	12.215	173	3914	4.071	ug/l #	97
73) Isopropylbenzene	12.337	105	30173	4.207	ug/l	99
74) N-amyl acetate	12.154	43	4808	3.801	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	5434	4.412	ug/l	94
76) 1,2,3-Trichloropropane	12.635	75	4736m	5.163	ug/l	
77) Bromobenzene	12.617	156	7980	4.595	ug/l	93
78) n-propylbenzene	12.678	91	36273	4.215	ug/l	100
79) 2-Chlorotoluene	12.764	91	22013	4.569	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	23790	4.140	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	1686	4.224	ug/l	97
82) 4-Chlorotoluene	12.861	91	21869	4.438	ug/l	98
83) tert-Butylbenzene	13.081	119	21146	4.191	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	22520	3.970	ug/l	98
85) sec-Butylbenzene	13.257	105	32540	4.218	ug/l	99
86) p-Isopropyltoluene	13.379	119	24599	3.895	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	15870	4.552	ug/l	97
88) 1,4-Dichlorobenzene	13.452	146	15987	4.717	ug/l	94
89) n-Butylbenzene	13.702	91	24103	4.183	ug/l	97
90) Hexachloroethane	13.965	117	5944	4.695	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	13348	4.527	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	807	4.661	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	6103	3.918	ug/l	96
94) Hexachlorobutadiene	15.117	225	4619	4.803	ug/l	99
95) Naphthalene	15.245	128	9109	6.696	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	5269	3.943	ug/l	99

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

