

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020824\
 Data File : VY017304.D
 Acq On : 08 Feb 2024 11:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/09/2024
 Supervised By :Semsettin Yesilyurt 02/09/2024

Quant Time: Feb 09 00:10:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	100782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	172436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	151734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	69054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	45723	50.785	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.580%			
35) Dibromofluoromethane	7.722	113	45589	48.965	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.940%			
50) Toluene-d8	10.185	98	170654	50.343	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.489	95	56546	50.921	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31020	40.602	ug/l	93
3) Chloromethane	2.107	50	90119	65.661	ug/l	99
4) Vinyl Chloride	2.247	62	104039	62.204	ug/l	100
5) Bromomethane	2.649	94	75668	65.266	ug/l	98
6) Chloroethane	2.790	64	71086	65.825	ug/l	99
7) Trichlorofluoromethane	3.119	101	94983	55.227	ug/l	98
8) Diethyl Ether	3.527	74	27930	51.628	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	52393	50.254	ug/l	97
10) Methyl Iodide	4.088	142	52921	48.284	ug/l	99
11) Tert butyl alcohol	4.966	59	15838	206.109	ug/l #	75
12) 1,1-Dichloroethene	3.869	96	48898	50.055	ug/l	94
13) Acrolein	3.728	56	14243	188.021	ug/l	94
14) Allyl chloride	4.478	41	77287	52.332	ug/l	95
15) Acrylonitrile	5.167	53	60470	248.261	ug/l	99
16) Acetone	3.954	43	62486	236.137	ug/l	95
17) Carbon Disulfide	4.192	76	144187	46.238	ug/l	99
18) Methyl Acetate	4.484	43	33049	55.985	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	124504	52.919	ug/l	98
20) Methylene Chloride	4.710	84	59785	55.552	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	57687	51.908	ug/l	97
22) Diisopropyl ether	6.118	45	181671	56.016	ug/l	97
23) Vinyl Acetate	6.057	43	529021	269.205	ug/l	99
24) 1,1-Dichloroethane	6.015	63	105750	53.227	ug/l	97
25) 2-Butanone	6.990	43	84984	241.585	ug/l	100
26) 2,2-Dichloropropane	6.984	77	91563	55.407	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	66272	53.318	ug/l	98
28) Bromochloromethane	7.338	49	37338	49.082	ug/l	96
29) Tetrahydrofuran	7.356	42	49330	248.242	ug/l	99
30) Chloroform	7.508	83	108395	54.235	ug/l	100
31) Cyclohexane	7.789	56	92105	50.755	ug/l	99
32) 1,1,1-Trichloroethane	7.703	97	92900	54.039	ug/l	98
36) 1,1-Dichloropropene	7.923	75	86227	53.691	ug/l	98
37) Ethyl Acetate	7.075	43	36256	48.674	ug/l	98
38) Carbon Tetrachloride	7.904	117	82029	53.346	ug/l	100
39) Methylcyclohexane	9.191	83	99942	53.268	ug/l	98
40) Benzene	8.167	78	244718	53.359	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	19004	53.848	ug/l	96
42) 1,2-Dichloroethane	8.240	62	64231	52.896	ug/l	99
43) Isopropyl Acetate	8.276	43	69604	52.787	ug/l	98
44) Trichloroethene	8.947	130	60205	51.714	ug/l	98
45) 1,2-Dichloropropane	9.221	63	60871	54.035	ug/l	100
46) Dibromomethane	9.307	93	32409	53.259	ug/l	97
47) Bromodichloromethane	9.502	83	81654	53.618	ug/l	99
48) Methyl methacrylate	9.294	41	32796	53.026	ug/l	98
49) 1,4-Dioxane	9.313	88	6640	1002.514	ug/l #	93
51) 4-Methyl-2-Pentanone	10.075	43	190612	269.674	ug/l	99
52) Toluene	10.252	92	151324	54.663	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	78279	54.723	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	92002	53.697	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	44494	53.742	ug/l	98
56) Ethyl methacrylate	10.514	69	56508	50.685	ug/l	98
57) 1,3-Dichloropropane	10.794	76	76150	53.476	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	133815	259.442	ug/l	98
59) 2-Hexanone	10.837	43	138997	271.952	ug/l	100
60) Dibromochloromethane	10.989	129	51214	52.729	ug/l	100
61) 1,2-Dibromoethane	11.093	107	40047	52.009	ug/l	100
64) Tetrachloroethene	10.727	164	49619	50.352	ug/l	97
65) Chlorobenzene	11.520	112	152133	51.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	55771	52.430	ug/l	99
67) Ethyl Benzene	11.599	91	294266	55.626	ug/l	98
68) m/p-Xylenes	11.709	106	222307	110.735	ug/l	99
69) o-Xylene	12.038	106	102794	55.602	ug/l	98
70) Styrene	12.050	104	173474	56.950	ug/l	99
71) Bromoform	12.215	173	28495	51.151	ug/l #	98
73) Isopropylbenzene	12.337	105	278516	54.902	ug/l	100
74) N-amyl acetate	12.148	43	63498	55.707	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	50751	50.864	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	37597m	58.989	ug/l	
77) Bromobenzene	12.617	156	56789	50.468	ug/l	98
78) n-propylbenzene	12.678	91	349182	56.044	ug/l	98
79) 2-Chlorotoluene	12.763	91	185971	54.293	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	224296	55.593	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.385	75	15915	51.885	ug/l	99
82) 4-Chlorotoluene	12.861	91	193894	55.000	ug/l	98
83) tert-Butylbenzene	13.080	119	193239	55.875	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	222546	55.883	ug/l	99
85) sec-Butylbenzene	13.257	105	304813	56.392	ug/l	100
86) p-Isopropyltoluene	13.373	119	244711	56.654	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	118076	52.600	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	114543	52.522	ug/l	99
89) n-Butylbenzene	13.702	91	241099	58.708	ug/l	99
90) Hexachloroethane	13.964	117	47517	53.587	ug/l	94
91) 1,2-Dichlorobenzene	13.745	146	100711	52.701	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6756	51.983	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	51493	54.248	ug/l	98
94) Hexachlorobutadiene	15.117	225	29186	52.207	ug/l	99
95) Naphthalene	15.245	128	94988	49.605	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	41912	51.917	ug/l	97

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

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