

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010524\
 Data File : VY016925.D
 Acq On : 05 Jan 2024 16:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/08/2024
 Supervised By :Semsettin Yesilyurt 01/08/2024

Quant Time: Jan 05 22:37:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	119160	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	210985	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	180562	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	74972	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	53064	45.056	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.120%		
35) Dibromofluoromethane	7.752	113	57270	42.597	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.200%		
50) Toluene-d8	10.203	98	204163	44.098	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.200%		
62) 4-Bromofluorobenzene	12.502	95	65920	42.202	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	38672	42.521	ug/l	97
3) Chloromethane	2.125	50	77468	55.343	ug/l	98
4) Vinyl Chloride	2.266	62	84929	51.437	ug/l	100
5) Bromomethane	2.674	94	63434	53.627	ug/l	97
6) Chloroethane	2.820	64	58427	52.312	ug/l	98
7) Trichlorofluoromethane	3.150	101	94405	46.404	ug/l	99
8) Diethyl Ether	3.558	74	32153	49.454	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.930	101	60296	45.582	ug/l	98
10) Methyl Iodide	4.125	142	55699	49.495	ug/l	98
11) Tert butyl alcohol	5.009	59	21092	245.596	ug/l	100
12) 1,1-Dichloroethene	3.905	96	56148	49.472	ug/l	96
13) Acrolein	3.759	56	20827	159.310	ug/l	99
14) Allyl chloride	4.515	41	90979	50.706	ug/l	99
15) Acrylonitrile	5.198	53	76959	253.064	ug/l	100
16) Acetone	3.985	43	57715	193.367	ug/l	99
17) Carbon Disulfide	4.229	76	137781	50.807	ug/l	100
18) Methyl Acetate	4.515	43	77621	61.517	ug/l	99
19) Methyl tert-butyl Ether	5.259	73	152401	51.613	ug/l	100
20) Methylene Chloride	4.753	84	73010	47.584	ug/l	96
21) trans-1,2-Dichloroethene	5.259	96	66001	50.775	ug/l	98
22) Diisopropyl ether	6.155	45	218897	52.771	ug/l	95
23) Vinyl Acetate	6.100	43	447428	235.241	ug/l	100
24) 1,1-Dichloroethane	6.051	63	130421	52.321	ug/l	99
25) 2-Butanone	7.021	43	92366	229.004	ug/l	96
26) 2,2-Dichloropropane	7.015	77	94082	43.530	ug/l	99
27) cis-1,2-Dichloroethene	7.021	96	79484	52.164	ug/l	99
28) Bromochloromethane	7.368	49	54748	58.503	ug/l	99
29) Tetrahydrofuran	7.387	42	61059	256.154	ug/l	97
30) Chloroform	7.539	83	133227	51.864	ug/l	98
31) Cyclohexane	7.813	56	94383	46.693	ug/l	95
32) 1,1,1-Trichloroethane	7.734	97	110664	50.808	ug/l	100
36) 1,1-Dichloropropene	7.947	75	93457	47.697	ug/l	99
37) Ethyl Acetate	7.112	43	42155	47.343	ug/l	99
38) Carbon Tetrachloride	7.929	117	92193	46.312	ug/l	99
39) Methylcyclohexane	9.209	83	102169	46.383	ug/l	97
40) Benzene	8.191	78	289216	49.205	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	24674	52.615	ug/l	95
42) 1,2-Dichloroethane	8.264	62	75715	48.523	ug/l	99
43) Isopropyl Acetate	8.301	43	81354	47.711	ug/l	99
44) Trichloroethene	8.966	130	71867	48.051	ug/l	99
45) 1,2-Dichloropropane	9.240	63	74638	49.291	ug/l	99
46) Dibromomethane	9.331	93	37766	48.903	ug/l	97
47) Bromodichloromethane	9.520	83	99289	47.878	ug/l	97
48) Methyl methacrylate	9.313	41	45735	49.700	ug/l	97
49) 1,4-Dioxane	9.331	88	7760	970.455	ug/l	99
51) 4-Methyl-2-Pentanone	10.093	43	227400	250.765	ug/l	100
52) Toluene	10.270	92	175047	49.347	ug/l	99
53) t-1,3-Dichloropropene	10.490	75	86908	46.786	ug/l	99
54) cis-1,3-Dichloropropene	9.953	75	105833	47.442	ug/l	99
55) 1,1,2-Trichloroethane	10.666	97	54103	47.954	ug/l	98
56) Ethyl methacrylate	10.532	69	48183	50.421	ug/l	97
57) 1,3-Dichloropropane	10.813	76	91822	48.746	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.807	63	151355	251.582	ug/l	98
59) 2-Hexanone	10.855	43	148816	222.871	ug/l	100
60) Dibromochloromethane	11.008	129	61669	47.398	ug/l	100
61) 1,2-Dibromoethane	11.111	107	48004	48.972	ug/l	98
64) Tetrachloroethene	10.746	164	60232	51.453	ug/l	95
65) Chlorobenzene	11.538	112	180987	48.116	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.611	131	67718	47.359	ug/l	98
67) Ethyl Benzene	11.611	91	333191	49.202	ug/l	99
68) m/p-Xylenes	11.721	106	243204	97.841	ug/l	99
69) o-Xylene	12.050	106	117738	50.525	ug/l	98
70) Styrene	12.063	104	170761	50.349	ug/l	99
71) Bromoform	12.227	173	33611	47.749	ug/l #	97
73) Isopropylbenzene	12.349	105	315640	51.556	ug/l	100
74) N-amyl acetate	12.160	43	63103	51.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	60980	48.884	ug/l	99
76) 1,2,3-Trichloropropane	12.654	75	44131m	54.243	ug/l	
77) Bromobenzene	12.630	156	65686	48.731	ug/l	98
78) n-propylbenzene	12.690	91	374923	50.373	ug/l	100
79) 2-Chlorotoluene	12.776	91	205397	49.766	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	244261	50.447	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.398	75	16377	45.709	ug/l	98
82) 4-Chlorotoluene	12.873	91	211093	50.063	ug/l	99
83) tert-Butylbenzene	13.093	119	216963	50.874	ug/l	98
84) 1,2,4-Trimethylbenzene	13.142	105	242489	50.853	ug/l	99
85) sec-Butylbenzene	13.270	105	309095	48.914	ug/l	99
86) p-Isopropyltoluene	13.385	119	254775	48.852	ug/l	100
87) 1,3-Dichlorobenzene	13.385	146	127351	48.173	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	122106	47.225	ug/l	99
89) n-Butylbenzene	13.715	91	236016	47.068	ug/l	99
90) Hexachloroethane	13.983	117	53407	47.657	ug/l	99
91) 1,2-Dichlorobenzene	13.757	146	109360	47.869	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	7696	49.199	ug/l	98
93) 1,2,4-Trichlorobenzene	15.025	180	54234	47.806	ug/l	99
94) Hexachlorobutadiene	15.129	225	28685	40.362	ug/l	100
95) Naphthalene	15.257	128	111579	53.489	ug/l	100
96) 1,2,3-Trichlorobenzene	15.446	180	47021	48.814	ug/l	100

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

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