

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011724\
 Data File : VY017013.D
 Acq On : 17 Jan 2024 16:09
 Operator : SY/MD
 Sample : VY0117SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0117SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/18/2024
 Supervised By :Mahesh Dadoda 01/18/2024

Quant Time: Jan 17 16:32:34 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	135053	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	229683	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	192621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.446	152	80522	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	56495	42.324	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.640%		
35) Dibromofluoromethane	7.746	113	62089	42.421	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.840%		
50) Toluene-d8	10.203	98	209318	41.531	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	83.060%		
62) 4-Bromofluorobenzene	12.501	95	69152	40.667	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.340%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	17801	15.443	ug/l	99
3) Chloromethane	2.131	50	26325	16.593	ug/l	94
4) Vinyl Chloride	2.272	62	33834	18.080	ug/l	100
5) Bromomethane	2.668	94	26074	19.449	ug/l	94
6) Chloroethane	2.814	64	23925	18.900	ug/l	94
7) Trichlorofluoromethane	3.149	101	43507	18.869	ug/l	93
8) Diethyl Ether	3.552	74	13528	18.359	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.930	101	28465	18.986	ug/l	100
10) Methyl Iodide	4.125	142	20523	16.091	ug/l	99
11) Tert butyl alcohol	4.984	59	11777	101.568	ug/l	95
12) 1,1-Dichloroethene	3.905	96	23229	18.058	ug/l	95
13) Acrolein	3.759	56	12224	78.584	ug/l	99
14) Allyl chloride	4.515	41	37188	18.287	ug/l	98
15) Acrylonitrile	5.198	53	31592	91.659	ug/l	99
16) Acetone	3.979	43	42252	115.441	ug/l	97
17) Carbon Disulfide	4.229	76	44314	14.418	ug/l	100
18) Methyl Acetate	4.509	43	23940	16.740	ug/l	100
19) Methyl tert-butyl Ether	5.259	73	66529	19.880	ug/l	98
20) Methylene Chloride	4.753	84	32709	13.377	ug/l	96
21) trans-1,2-Dichloroethene	5.265	96	26845	18.222	ug/l	95
22) Diisopropyl ether	6.155	45	92235	19.619	ug/l	98
23) Vinyl Acetate	6.094	43	211937	98.316	ug/l	98
24) 1,1-Dichloroethane	6.057	63	53836	19.056	ug/l	99
25) 2-Butanone	7.021	43	51102	106.624	ug/l	99
26) 2,2-Dichloropropane	7.015	77	47624	19.442	ug/l	98
27) cis-1,2-Dichloroethene	7.021	96	33488	19.391	ug/l	98
28) Bromochloromethane	7.368	49	19349	18.243	ug/l	100
29) Tetrahydrofuran	7.380	42	25446	94.188	ug/l	98
30) Chloroform	7.539	83	57302	19.682	ug/l	98
31) Cyclohexane	7.819	56	39438	17.215	ug/l #	87
32) 1,1,1-Trichloroethane	7.734	97	49305	19.973	ug/l	99
36) 1,1-Dichloropropene	7.947	75	38725	18.155	ug/l	99
37) Ethyl Acetate	7.106	43	17936	18.503	ug/l	99
38) Carbon Tetrachloride	7.935	117	41073	18.953	ug/l	99
39) Methylcyclohexane	9.209	83	40874	17.046	ug/l	97
40) Benzene	8.191	78	118036	18.447	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	10511m	20.589	ug/l	
42) 1,2-Dichloroethane	8.264	62	32380	19.062	ug/l	99
43) Isopropyl Acetate	8.301	43	34932	18.819	ug/l	99
44) Trichloroethene	8.965	130	30422	18.685	ug/l	95
45) 1,2-Dichloropropane	9.240	63	32099	19.472	ug/l	95
46) Dibromomethane	9.331	93	15816	18.813	ug/l	96
47) Bromodichloromethane	9.520	83	43996	19.488	ug/l	97
48) Methyl methacrylate	9.313	41	17556	17.525	ug/l	89
49) 1,4-Dioxane	9.325	88	3389	389.321	ug/l	99
51) 4-Methyl-2-Pentanone	10.093	43	95234	96.470	ug/l	99
52) Toluene	10.264	92	72082	18.666	ug/l	98
53) t-1,3-Dichloropropene	10.483	75	37800	18.693	ug/l	98
54) cis-1,3-Dichloropropene	9.947	75	46125	18.993	ug/l	97
55) 1,1,2-Trichloroethane	10.666	97	23502	19.135	ug/l	98
56) Ethyl methacrylate	10.532	69	19755	18.990	ug/l	98
57) 1,3-Dichloropropane	10.807	76	39450	19.238	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.807	63	38692	72.421	ug/l	99
59) 2-Hexanone	10.849	43	71814	98.795	ug/l	100
60) Dibromochloromethane	11.002	129	27249	19.238	ug/l	100
61) 1,2-Dibromoethane	11.111	107	20155	18.887	ug/l	99
64) Tetrachloroethene	10.740	164	23408	18.744	ug/l	99
65) Chlorobenzene	11.532	112	77671	19.356	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.611	131	29339	19.234	ug/l	97
67) Ethyl Benzene	11.611	91	138957	19.235	ug/l	97
68) m/p-Xylenes	11.721	106	101801	38.391	ug/l	98
69) o-Xylene	12.050	106	47916	19.275	ug/l	99
70) Styrene	12.063	104	70081	19.370	ug/l	99
71) Bromoform	12.227	173	14626	19.477	ug/l #	99
73) Isopropylbenzene	12.349	105	133748	20.340	ug/l	100
74) N-amyl acetate	12.160	43	26339	19.937	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	26664	19.902	ug/l	97
76) 1,2,3-Trichloropropane	12.648	75	18447m	21.111	ug/l	
77) Bromobenzene	12.629	156	28574	19.737	ug/l	99
78) n-propylbenzene	12.690	91	160513	20.079	ug/l	100
79) 2-Chlorotoluene	12.776	91	87937	19.838	ug/l	100
80) 1,3,5-Trimethylbenzene	12.831	105	104383	20.072	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.398	75	7176	18.648	ug/l	99
82) 4-Chlorotoluene	12.873	91	90375	19.956	ug/l	99
83) tert-Butylbenzene	13.093	119	92871	20.276	ug/l	99
84) 1,2,4-Trimethylbenzene	13.135	105	101747	19.867	ug/l	98
85) sec-Butylbenzene	13.270	105	138248	20.370	ug/l	100
86) p-Isopropyltoluene	13.385	119	111127	19.839	ug/l	99
87) 1,3-Dichlorobenzene	13.385	146	54617	19.236	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	53496	19.264	ug/l	97
89) n-Butylbenzene	13.715	91	104788	19.457	ug/l	99
90) Hexachloroethane	13.977	117	23514	19.536	ug/l	97
91) 1,2-Dichlorobenzene	13.757	146	47030	19.167	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	3128	18.618	ug/l	97
93) 1,2,4-Trichlorobenzene	15.025	180	21397	17.561	ug/l	98
94) Hexachlorobutadiene	15.129	225	13569	17.777	ug/l	99
95) Naphthalene	15.257	128	36371	17.995	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	17469	16.885	ug/l	98

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

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