

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020224\
 Data File : VY017216.D
 Acq On : 03 Feb 2024 05:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/05/2024
 Supervised By :Mahesh Dadoda 02/05/2024

Quant Time: Feb 03 05:37:23 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	7.819	168	109685	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.715	114	196500	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	174104	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	77523	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	55973	57.124	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.240%			
35) Dibromofluoromethane	7.746	113	58838	55.457	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.920%			
50) Toluene-d8	10.203	98	216866	56.140	ug/l	0.02
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.280%			
62) 4-Bromofluorobenzene	12.501	95	69690	55.072	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	31555	37.950	ug/l	99
3) Chloromethane	2.125	50	65628	43.936	ug/l	97
4) Vinyl Chloride	2.265	62	75619	41.542	ug/l	100
5) Bromomethane	2.668	94	57851	45.848	ug/l	98
6) Chloroethane	2.814	64	52970	45.068	ug/l	98
7) Trichlorofluoromethane	3.149	101	74751	39.936	ug/l	99
8) Diethyl Ether	3.552	74	28131	47.779	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.930	101	47486	41.850	ug/l	99
10) Methyl Iodide	4.119	142	51478	43.155	ug/l	99
11) Tert butyl alcohol	4.984	59	16429	195.618	ug/l	100
12) 1,1-Dichloroethene	3.899	96	48057	45.201	ug/l	94
13) Acrolein	3.753	56	17466	213.410	ug/l	97
14) Allyl chloride	4.509	41	74477	46.336	ug/l	96
15) Acrylonitrile	5.198	53	62928	237.382	ug/l	99
16) Acetone	3.972	43	45716	158.740	ug/l	98
17) Carbon Disulfide	4.228	76	155366	45.778	ug/l	99
18) Methyl Acetate	4.509	43	34545	53.769	ug/l	98
19) Methyl tert-butyl Ether	5.253	73	120378	47.012	ug/l	100
20) Methylene Chloride	4.747	84	61845	52.616	ug/l	98
21) trans-1,2-Dichloroethene	5.259	96	59433	49.139	ug/l	99
22) Diisopropyl ether	6.149	45	180114	51.028	ug/l	99
23) Vinyl Acetate	6.094	43	486600	227.520	ug/l	100
24) 1,1-Dichloroethane	6.051	63	104973	48.547	ug/l	97
25) 2-Butanone	7.021	43	74651	194.986	ug/l	100
26) 2,2-Dichloropropane	7.015	77	70154	39.006	ug/l	99
27) cis-1,2-Dichloroethene	7.015	96	67479	49.883	ug/l	96
28) Bromochloromethane	7.362	49	44557	53.817	ug/l	100
29) Tetrahydrofuran	7.374	42	51470	237.988	ug/l	99
30) Chloroform	7.533	83	107032	49.206	ug/l	99
31) Cyclohexane	7.813	56	81730	41.382	ug/l	99
32) 1,1,1-Trichloroethane	7.728	97	86935	46.464	ug/l	99
36) 1,1-Dichloropropene	7.941	75	79000	43.167	ug/l	99
37) Ethyl Acetate	7.106	43	34800	40.998	ug/l	99
38) Carbon Tetrachloride	7.929	117	73782	42.107	ug/l	99
39) Methylcyclohexane	9.209	83	88267	41.284	ug/l	99
40) Benzene	8.185	78	248111	47.474	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	18470	45.926	ug/l	89
42) 1,2-Dichloroethane	8.264	62	62591	45.233	ug/l	99
43) Isopropyl Acetate	8.295	43	66324	44.140	ug/l	99
44) Trichloroethene	8.965	130	61370	46.259	ug/l	99
45) 1,2-Dichloropropane	9.240	63	61110	47.604	ug/l	94
46) Dibromomethane	9.325	93	32051	46.221	ug/l	99
47) Bromodichloromethane	9.520	83	80931	46.635	ug/l	99
48) Methyl methacrylate	9.313	41	30569	43.373	ug/l	95
49) 1,4-Dioxane	9.319	88	6364	843.176	ug/l	98
51) 4-Methyl-2-Pentanone	10.087	43	179937	223.396	ug/l	100
52) Toluene	10.264	92	150211	47.616	ug/l	100
53) t-1,3-Dichloropropene	10.483	75	72812	44.668	ug/l	97
54) cis-1,3-Dichloropropene	9.947	75	89367	45.771	ug/l	99
55) 1,1,2-Trichloroethane	10.666	97	43819	46.445	ug/l	98
56) Ethyl methacrylate	10.532	69	53451	42.582	ug/l	99
57) 1,3-Dichloropropane	10.807	76	76253	46.991	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	149070	253.624	ug/l	99
59) 2-Hexanone	10.849	43	117784	202.227	ug/l	99
60) Dibromochloromethane	11.002	129	50533	45.657	ug/l	98
61) 1,2-Dibromoethane	11.111	107	40482	46.136	ug/l	99
64) Tetrachloroethene	10.740	164	54108	47.853	ug/l	98
65) Chlorobenzene	11.538	112	154823	46.098	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.611	131	55711	45.644	ug/l	99
67) Ethyl Benzene	11.611	91	279028	45.968	ug/l	99
68) m/p-Xylenes	11.721	106	213094	92.508	ug/l	100
69) o-Xylene	12.050	106	100563	47.406	ug/l	99
70) Styrene	12.062	104	169681	48.547	ug/l	98
71) Bromoform	12.227	173	28674	44.859	ug/l #	97
73) Isopropylbenzene	12.349	105	258678	45.421	ug/l	99
74) N-amyl acetate	12.160	43	55041	43.012	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	48587	43.376	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	34166m	47.750	ug/l	
77) Bromobenzene	12.629	156	57273	45.338	ug/l	98
78) n-propylbenzene	12.690	91	317854	45.443	ug/l	100
79) 2-Chlorotoluene	12.776	91	177479	46.153	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	209940	46.351	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.398	75	13327	38.701	ug/l	99
82) 4-Chlorotoluene	12.873	91	181798	45.935	ug/l	100
83) tert-Butylbenzene	13.093	119	179538	46.242	ug/l	100
84) 1,2,4-Trimethylbenzene	13.135	105	207361	46.381	ug/l	99
85) sec-Butylbenzene	13.270	105	271743	44.782	ug/l	99
86) p-Isopropyltoluene	13.385	119	218636	45.088	ug/l	100
87) 1,3-Dichlorobenzene	13.385	146	113114	44.885	ug/l	98
88) 1,4-Dichlorobenzene	13.465	146	111003	45.338	ug/l	100
89) n-Butylbenzene	13.715	91	205727	44.622	ug/l	99
90) Hexachloroethane	13.977	117	44500	44.702	ug/l	100
91) 1,2-Dichlorobenzene	13.757	146	97454	45.426	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	6015	41.226	ug/l	98
93) 1,2,4-Trichlorobenzene	15.025	180	46924	44.034	ug/l	99
94) Hexachlorobutadiene	15.129	225	26893	42.850	ug/l	98
95) Naphthalene	15.257	128	87016	41.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	40513	44.701	ug/l	98

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

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