

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041924\
 Data File : VY017990.D
 Acq On : 19 Apr 2024 11:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/22/2024
 Supervised By :Semsettin Yesilyurt 04/22/2024

Quant Time: Apr 19 23:38:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	445465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	689055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	612154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	292605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	172658	44.789	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.580%		
35) Dibromofluoromethane	7.716	113	200350	47.130	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.260%		
50) Toluene-d8	10.185	98	775869	48.099	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.200%		
62) 4-Bromofluorobenzene	12.483	95	240363	48.114	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	165526	46.839	ug/l	99
3) Chloromethane	2.113	50	232794	39.755	ug/l	98
4) Vinyl Chloride	2.253	62	261855	39.674	ug/l	100
5) Bromomethane	2.650	94	189532	43.143	ug/l	96
6) Chloroethane	2.796	64	173445	41.625	ug/l	100
7) Trichlorofluoromethane	3.125	101	325216	43.721	ug/l	96
8) Diethyl Ether	3.527	74	118096	50.243	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	209705	45.272	ug/l	97
10) Methyl Iodide	4.088	142	312515	50.712	ug/l	98
11) Tert butyl alcohol	4.960	59	60795	218.638	ug/l #	82
12) 1,1-Dichloroethene	3.869	96	214721	47.750	ug/l	96
13) Acrolein	3.729	56	99723	332.159	ug/l	100
14) Allyl chloride	4.479	41	290526	49.924	ug/l	93
15) Acrylonitrile	5.161	53	240041	251.522	ug/l	100
16) Acetone	3.948	43	192818	253.145	ug/l	96
17) Carbon Disulfide	4.192	76	659637	46.112	ug/l	99
18) Methyl Acetate	4.479	43	89497	44.664	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	499140	50.931	ug/l	99
20) Methylene Chloride	4.716	84	248055	48.070	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	241287	48.982	ug/l	98
22) Diisopropyl ether	6.118	45	649885	50.941	ug/l	99
23) Vinyl Acetate	6.058	43	1935733	255.878	ug/l	99
24) 1,1-Dichloroethane	6.015	63	409742	49.191	ug/l	98
25) 2-Butanone	6.984	43	284579	254.182	ug/l	93
26) 2,2-Dichloropropane	6.984	77	326287	48.826	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	285570	50.759	ug/l	99
28) Bromochloromethane	7.332	49	164511	50.209	ug/l	98
29) Tetrahydrofuran	7.350	42	178141	250.731	ug/l	96
30) Chloroform	7.508	83	413956	48.626	ug/l	100
31) Cyclohexane	7.789	56	322431	43.759	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	339415	47.869	ug/l	98
36) 1,1-Dichloropropene	7.917	75	298500	48.283	ug/l	99
37) Ethyl Acetate	7.076	43	131402	51.661	ug/l	98
38) Carbon Tetrachloride	7.905	117	302760	48.473	ug/l	99
39) Methylcyclohexane	9.185	83	385488	47.848	ug/l	96
40) Benzene	8.161	78	971531	50.170	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	81510m	50.786	ug/l	
42) 1,2-Dichloroethane	8.240	62	219582	49.488	ug/l	98
43) Isopropyl Acetate	8.277	43	236851	49.954	ug/l	99
44) Trichloroethene	8.941	130	251487	51.106	ug/l	99
45) 1,2-Dichloropropane	9.222	63	222999	50.026	ug/l	100
46) Dibromomethane	9.307	93	123636	50.142	ug/l	95
47) Bromodichloromethane	9.502	83	316123	51.102	ug/l	99
48) Methyl methacrylate	9.295	41	111581	51.358	ug/l	98
49) 1,4-Dioxane	9.307	88	27036	960.476	ug/l #	100
51) 4-Methyl-2-Pentanone	10.075	43	647196	257.489	ug/l	100
52) Toluene	10.246	92	609608	51.301	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	292555	51.803	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	354908	51.156	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	167487	49.969	ug/l	96
56) Ethyl methacrylate	10.514	69	230638	52.781	ug/l	99
57) 1,3-Dichloropropane	10.794	76	288904	50.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	583103	256.716	ug/l	99
59) 2-Hexanone	10.837	43	473459	275.943	ug/l	99
60) Dibromochloromethane	10.990	129	223749	51.940	ug/l	99
61) 1,2-Dibromoethane	11.093	107	160203	51.285	ug/l	99
64) Tetrachloroethene	10.721	164	217015	49.488	ug/l	100
65) Chlorobenzene	11.520	112	677771	50.518	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	227293	51.378	ug/l	99
67) Ethyl Benzene	11.599	91	1150927	50.948	ug/l	98
68) m/p-Xylenes	11.709	106	894431	103.088	ug/l	99
69) o-Xylene	12.032	106	421953	52.077	ug/l	99
70) Styrene	12.050	104	727554	53.128	ug/l	99
71) Bromoform	12.215	173	131219	51.337	ug/l #	98
73) Isopropylbenzene	12.337	105	1074790	50.410	ug/l	99
74) N-amyl acetate	12.148	43	218889	50.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	192392	48.383	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	125279m	45.626	ug/l	
77) Bromobenzene	12.611	156	265742	51.504	ug/l	96
78) n-propylbenzene	12.678	91	1303006	50.370	ug/l	98
79) 2-Chlorotoluene	12.764	91	725521	50.107	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	863414	51.071	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	66894	50.231	ug/l	97
82) 4-Chlorotoluene	12.861	91	745406	49.707	ug/l	97
83) tert-Butylbenzene	13.081	119	792314	51.312	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	862240	51.214	ug/l	98
85) sec-Butylbenzene	13.257	105	1157330	49.900	ug/l	98
86) p-Isopropyltoluene	13.373	119	974860	51.153	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	519157	50.712	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	503595	50.110	ug/l	99
89) n-Butylbenzene	13.702	91	897778	50.074	ug/l	99
90) Hexachloroethane	13.965	117	193905	49.619	ug/l	92
91) 1,2-Dichlorobenzene	13.745	146	445605	50.453	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	24831	48.547	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	271202	52.729	ug/l	99
94) Hexachlorobutadiene	15.117	225	154686	50.698	ug/l	96
95) Naphthalene	15.239	128	455362	53.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	229638	53.210	ug/l	99

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

