

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031824\
 Data File : VY017700.D
 Acq On : 18 Mar 2024 19:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/19/2024
 Supervised By :Semsettin Yesilyurt 03/19/2024

Quant Time: Mar 19 04:13:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	135906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	215610	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	191673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	94279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	56472	43.844	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.680%		
35) Dibromofluoromethane	7.728	113	67287	44.785	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.580%		
50) Toluene-d8	10.191	98	250865	47.756	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.520%		
62) 4-Bromofluorobenzene	12.489	95	79835	48.358	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	47251	47.132	ug/l	97
3) Chloromethane	2.113	50	94853	51.783	ug/l	100
4) Vinyl Chloride	2.253	62	114597	48.766	ug/l	99
5) Bromomethane	2.656	94	109085	56.963	ug/l	100
6) Chloroethane	2.796	64	78947	53.255	ug/l	97
7) Trichlorofluoromethane	3.131	101	112063	46.790	ug/l	97
8) Diethyl Ether	3.534	74	35301	50.254	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	68036	49.387	ug/l	98
10) Methyl Iodide	4.101	142	78025	50.468	ug/l	100
11) Tert butyl alcohol	4.997	59	24309	222.184	ug/l #	85
12) 1,1-Dichloroethene	3.881	96	66406	51.724	ug/l	98
13) Acrolein	3.741	56	30259	209.605	ug/l	100
14) Allyl chloride	4.491	41	78422	50.553	ug/l	96
15) Acrylonitrile	5.180	53	67880	235.068	ug/l	99
16) Acetone	3.966	43	46029	184.246	ug/l	99
17) Carbon Disulfide	4.204	76	203499	52.808	ug/l	98
18) Methyl Acetate	4.497	43	34021	56.132	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	148623	49.667	ug/l	98
20) Methylene Chloride	4.728	84	76575	52.438	ug/l	97
21) trans-1,2-Dichloroethene	5.234	96	78191	52.016	ug/l	95
22) Diisopropyl ether	6.137	45	185997	51.959	ug/l	99
23) Vinyl Acetate	6.076	43	518552	243.097	ug/l	100
24) 1,1-Dichloroethane	6.033	63	126846	51.867	ug/l	99
25) 2-Butanone	7.002	43	73162	205.493	ug/l	96
26) 2,2-Dichloropropane	6.996	77	97392	47.366	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	88415	52.385	ug/l	96
28) Bromochloromethane	7.350	49	56382	58.539	ug/l	94
29) Tetrahydrofuran	7.362	42	49733	231.728	ug/l	99
30) Chloroform	7.521	83	134936	51.824	ug/l	100
31) Cyclohexane	7.795	56	102719	49.004	ug/l	99
32) 1,1,1-Trichloroethane	7.716	97	114487	50.646	ug/l	99
36) 1,1-Dichloropropene	7.929	75	103626	51.120	ug/l	99
37) Ethyl Acetate	7.094	43	35706	44.597	ug/l	98
38) Carbon Tetrachloride	7.911	117	103486	50.938	ug/l	99
39) Methylcyclohexane	9.191	83	125512	51.520	ug/l	100
40) Benzene	8.173	78	309328	51.383	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	19127	47.607	ug/l	94
42) 1,2-Dichloroethane	8.246	62	71763	48.858	ug/l	98
43) Isopropyl Acetate	8.283	43	65870	46.818	ug/l	98
44) Trichloroethene	8.947	130	88562	51.040	ug/l	96
45) 1,2-Dichloropropane	9.228	63	72365	50.526	ug/l	95
46) Dibromomethane	9.313	93	41126	50.173	ug/l	95
47) Bromodichloromethane	9.508	83	101251	50.874	ug/l	99
48) Methyl methacrylate	9.301	41	32932	50.569	ug/l	98
49) 1,4-Dioxane	9.325	88	8677	935.381	ug/l #	99
51) 4-Methyl-2-Pentanone	10.081	43	181748	231.785	ug/l	98
52) Toluene	10.252	92	196123	51.678	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	92384	50.010	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	112385	50.068	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	59065	50.752	ug/l	99
56) Ethyl methacrylate	10.520	69	66080	46.349	ug/l	98
57) 1,3-Dichloropropane	10.801	76	94314	49.844	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	178009	265.066	ug/l	99
59) 2-Hexanone	10.843	43	120970	224.602	ug/l	98
60) Dibromochloromethane	10.996	129	70404	51.137	ug/l	99
61) 1,2-Dibromoethane	11.099	107	55320	51.581	ug/l	98
64) Tetrachloroethene	10.727	164	94855	51.559	ug/l	97
65) Chlorobenzene	11.526	112	206417	50.737	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	76997	50.518	ug/l	99
67) Ethyl Benzene	11.599	91	371591	52.080	ug/l	100
68) m/p-Xylenes	11.709	106	294863	105.172	ug/l	99
69) o-Xylene	12.038	106	136899	52.633	ug/l	98
70) Styrene	12.050	104	228472	52.919	ug/l	98
71) Bromoform	12.215	173	42883	50.773	ug/l #	98
73) Isopropylbenzene	12.337	105	354709	50.642	ug/l	99
74) N-amyl acetate	12.148	43	56815	45.990	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	58469	48.611	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	43813m	48.910	ug/l	
77) Bromobenzene	12.617	156	85796	50.580	ug/l	94
78) n-propylbenzene	12.678	91	427955	50.920	ug/l	99
79) 2-Chlorotoluene	12.764	91	233865	49.701	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	287284	51.195	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	18245	46.800	ug/l	97
82) 4-Chlorotoluene	12.861	91	239237	49.708	ug/l	97
83) tert-Butylbenzene	13.081	119	248454	50.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	281846	50.875	ug/l	100
85) sec-Butylbenzene	13.257	105	381544	50.644	ug/l	99
86) p-Isopropyltoluene	13.373	119	315052	51.085	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	168586	49.516	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	164398	49.666	ug/l	98
89) n-Butylbenzene	13.702	91	282604	50.225	ug/l	100
90) Hexachloroethane	13.965	117	62328	50.410	ug/l	95
91) 1,2-Dichlorobenzene	13.745	146	145404	50.490	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	7842	46.377	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	77637	51.038	ug/l	99
94) Hexachlorobutadiene	15.117	225	47610	50.693	ug/l	98
95) Naphthalene	15.245	128	131782	45.124	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	65880	50.484	ug/l	99

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

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