

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102422\
 Data File : VY011059.D
 Acq On : 24 Oct 2022 10:54
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/25/2022
 Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 25 05:28:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	277974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	442382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	395103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	197172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	111753	43.644	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.280%		
35) Dibromofluoromethane	7.710	113	119816	48.524	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.040%		
50) Toluene-d8	10.179	98	411719	44.573	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.140%		
62) 4-Bromofluorobenzene	12.477	95	154849	47.151	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	83286	45.170	ug/l	99
3) Chloromethane	2.113	50	114038	43.110	ug/l	95
4) Vinyl Chloride	2.247	62	136175	45.418	ug/l	100
5) Bromomethane	2.644	94	91521	44.133	ug/l	97
6) Chloroethane	2.790	64	92832	46.333	ug/l	95
7) Trichlorofluoromethane	3.125	101	211888	48.283	ug/l	92
8) Diethyl Ether	3.528	74	79790	48.722	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	136556	49.609	ug/l	94
10) Methyl Iodide	4.088	142	165512	49.138	ug/l	90
11) Tert butyl alcohol	4.942	59	70916	245.641	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	125875	47.736	ug/l	84
13) Acrolein	3.723	56	91764	222.302	ug/l	99
14) Allyl chloride	4.473	41	204208	48.834	ug/l #	86
15) Acrylonitrile	5.155	53	216770	253.939	ug/l	96
16) Acetone	3.942	43	203711	273.961	ug/l #	83
17) Carbon Disulfide	4.192	76	310683	40.189	ug/l	100
18) Methyl Acetate	4.473	43	102850	49.119	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	381682	51.806	ug/l	98
20) Methylene Chloride	4.710	84	165858	51.355	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	142693	47.933	ug/l	87
22) Diisopropyl ether	6.112	45	462948	51.693	ug/l #	92
23) Vinyl Acetate	6.052	43	1403444	262.060	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	271814	50.269	ug/l	99
25) 2-Butanone	6.978	43	286412	253.990	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	242756	50.557	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	174223	50.781	ug/l	88
28) Bromochloromethane	7.332	49	100292	52.178	ug/l	87
29) Tetrahydrofuran	7.344	42	170912	246.348	ug/l #	85
30) Chloroform	7.502	83	279446	51.268	ug/l	99
31) Cyclohexane	7.783	56	216934	44.273	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	242198	50.550	ug/l	95
36) 1,1-Dichloropropene	7.917	75	201604	48.955	ug/l	98
37) Ethyl Acetate	7.070	43	114902	50.395	ug/l #	93
38) Carbon Tetrachloride	7.899	117	213936	50.325	ug/l	98
39) Methylcyclohexane	9.179	83	237198	48.089	ug/l	93
40) Benzene	8.155	78	601268	49.760	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	68466m	55.413	ug/l	
42) 1,2-Dichloroethane	8.234	62	168233	50.248	ug/l	91
43) Isopropyl Acetate	8.271	43	207629	50.969	ug/l #	89
44) Trichloroethene	8.935	130	164358	50.194	ug/l	97
45) 1,2-Dichloropropane	9.209	63	158755	51.783	ug/l	96
46) Dibromomethane	9.301	93	87191	50.991	ug/l	96
47) Bromodichloromethane	9.496	83	215527	52.304	ug/l	98
48) Methyl methacrylate	9.289	41	93401	51.231	ug/l #	80
49) 1,4-Dioxane	9.295	88	25860	1052.587	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	590448	259.897	ug/l #	87
52) Toluene	10.240	92	383505	51.089	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	224622	52.472	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	253073	51.662	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	128546	52.110	ug/l	99
56) Ethyl methacrylate	10.508	69	175529	53.575	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	218689	51.562	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	423412	260.439	ug/l	96
59) 2-Hexanone	10.831	43	421646	270.188	ug/l	84
60) Dibromochloromethane	10.984	129	155127	52.885	ug/l	100
61) 1,2-Dibromoethane	11.087	107	119169	50.447	ug/l	100
64) Tetrachloroethene	10.715	164	156273	50.810	ug/l	97
65) Chlorobenzene	11.514	112	417677	51.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	158061	52.645	ug/l	98
67) Ethyl Benzene	11.593	91	746155	51.995	ug/l	98
68) m/p-Xylenes	11.703	106	573734	103.930	ug/l	94
69) o-Xylene	12.026	106	276280	52.706	ug/l	94
70) Styrene	12.044	104	473128	53.268	ug/l	95
71) Bromoform	12.209	173	99749	53.832	ug/l #	98
73) Isopropylbenzene	12.325	105	741216	51.743	ug/l	100
74) N-amyl acetate	12.142	43	187815	51.675	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	152295	50.658	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	131644m	58.808	ug/l	
77) Bromobenzene	12.605	156	170281	50.854	ug/l	99
78) n-propylbenzene	12.672	91	900499	51.667	ug/l	99
79) 2-Chlorotoluene	12.758	91	502896	51.235	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	617586	51.671	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	54399	52.265	ug/l #	83
82) 4-Chlorotoluene	12.855	91	517597	50.647	ug/l	99
83) tert-Butylbenzene	13.075	119	548465	53.066	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	613411	52.046	ug/l	98
85) sec-Butylbenzene	13.251	105	810927	52.214	ug/l	100
86) p-Isopropyltoluene	13.367	119	679178	52.714	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	339438	50.794	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	335700	50.523	ug/l	99
89) n-Butylbenzene	13.696	91	633119	52.586	ug/l	98
90) Hexachloroethane	13.959	117	133130	52.357	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	305618	51.115	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24250	48.786	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	188932	52.873	ug/l	99
94) Hexachlorobutadiene	15.111	225	109075	51.858	ug/l	99
95) Naphthalene	15.233	128	388178	53.341	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	163660	52.499	ug/l	99

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

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