

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121222\
 Data File : VY011759.D
 Acq On : 12 Dec 2022 10:07
 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 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022

Quant Time: Dec 12 12:10:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	226236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	344598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	309678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	72596	46.709	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.420%		
35) Dibromofluoromethane	7.722	113	75731	49.419	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.840%		
50) Toluene-d8	10.185	98	235724	46.495	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.000%		
62) 4-Bromofluorobenzene	12.483	95	99865	49.984	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	52019	52.179	ug/l	100
3) Chloromethane	2.119	50	61155	50.602	ug/l	98
4) Vinyl Chloride	2.259	62	71113	49.128	ug/l	97
5) Bromomethane	2.656	94	49890	51.494	ug/l	98
6) Chloroethane	2.802	64	50600	45.104	ug/l	97
7) Trichlorofluoromethane	3.131	101	142260	45.743	ug/l	99
8) Diethyl Ether	3.534	74	49751	45.671	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	85876	46.257	ug/l	99
10) Methyl Iodide	4.094	142	99357	45.710	ug/l	98
11) Tert butyl alcohol	4.960	59	47442	261.237	ug/l	99
12) 1,1-Dichloroethene	3.881	96	77631	46.366	ug/l	99
13) Acrolein	3.735	56	73496	230.449	ug/l	100
14) Allyl chloride	4.485	41	122333	43.986	ug/l	95
15) Acrylonitrile	5.167	53	143747	245.852	ug/l	100
16) Acetone	3.948	43	166819	270.045	ug/l	100
17) Carbon Disulfide	4.198	76	168848	44.159	ug/l	98
18) Methyl Acetate	4.478	43	66921	45.328	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	256780	48.982	ug/l	98
20) Methylene Chloride	4.722	84	99696	44.715	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	87459	46.476	ug/l	96
22) Diisopropyl ether	6.125	45	301694	49.720	ug/l	97
23) Vinyl Acetate	6.064	43	912050	263.469	ug/l	99
24) 1,1-Dichloroethane	6.015	63	175568	47.614	ug/l	100
25) 2-Butanone	6.984	43	198557	249.880	ug/l	99
26) 2,2-Dichloropropane	6.984	77	165200	47.620	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	108859	47.331	ug/l	100
28) Bromochloromethane	7.338	49	65155	48.536	ug/l	100
29) Tetrahydrofuran	7.350	42	113306	250.527	ug/l	99
30) Chloroform	7.508	83	189745	48.134	ug/l	99
31) Cyclohexane	7.789	56	129540	49.109	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	170370	48.461	ug/l	99
36) 1,1-Dichloropropene	7.917	75	125355	47.938	ug/l	100
37) Ethyl Acetate	7.076	43	76361	49.948	ug/l	98
38) Carbon Tetrachloride	7.905	117	152308	49.585	ug/l	97
39) Methylcyclohexane	9.185	83	141114	47.960	ug/l	99
40) Benzene	8.161	78	377787	48.359	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	44830m	58.087	ug/l	
42) 1,2-Dichloroethane	8.240	62	119707	49.552	ug/l	100
43) Isopropyl Acetate	8.270	43	137119	49.463	ug/l	99
44) Trichloroethene	8.941	130	102844	47.006	ug/l	98
45) 1,2-Dichloropropane	9.215	63	98612	48.772	ug/l	100
46) Dibromomethane	9.307	93	55377	48.928	ug/l	99
47) Bromodichloromethane	9.496	83	145177	49.651	ug/l	99
48) Methyl methacrylate	9.295	41	62318	50.998	ug/l	100
49) 1,4-Dioxane	9.301	88	15483	987.475	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	397906	260.497	ug/l	99
52) Toluene	10.246	92	244681	49.268	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	145642	49.867	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	161505	49.217	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	84082	50.263	ug/l	99
56) Ethyl methacrylate	10.514	69	110070	50.971	ug/l	98
57) 1,3-Dichloropropane	10.794	76	140379	50.343	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	252893	252.554	ug/l	99
59) 2-Hexanone	10.831	43	296926	272.067	ug/l	100
60) Dibromochloromethane	10.983	129	105876	50.533	ug/l	99
61) 1,2-Dibromoethane	11.093	107	75217	49.632	ug/l	100
64) Tetrachloroethene	10.721	164	105464	48.135	ug/l	98
65) Chlorobenzene	11.520	112	271788	48.709	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	107483	49.653	ug/l	100
67) Ethyl Benzene	11.593	91	481737	48.998	ug/l	100
68) m/p-Xylenes	11.703	106	373637	99.234	ug/l	99
69) o-Xylene	12.032	106	178300	49.680	ug/l	99
70) Styrene	12.044	104	310437	50.680	ug/l	99
71) Bromoform	12.209	173	68758	51.497	ug/l #	100
73) Isopropylbenzene	12.331	105	495095	50.016	ug/l	100
74) N-amyl acetate	12.148	43	118190	49.661	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	95808	49.699	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	68922m	44.589	ug/l	
77) Bromobenzene	12.611	156	113572	49.140	ug/l	100
78) n-propylbenzene	12.672	91	587558	49.531	ug/l	99
79) 2-Chlorotoluene	12.757	91	332317	49.086	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	416278	49.754	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	33863	49.712	ug/l	96
82) 4-Chlorotoluene	12.855	91	337905	48.121	ug/l	99
83) tert-Butylbenzene	13.074	119	370666	50.878	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	408939	49.641	ug/l	98
85) sec-Butylbenzene	13.257	105	539935	49.765	ug/l	100
86) p-Isopropyltoluene	13.373	119	452315	50.089	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	227272	48.865	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	220422	47.684	ug/l	99
89) n-Butylbenzene	13.696	91	409470	49.880	ug/l	100
90) Hexachloroethane	13.965	117	86568	48.244	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	201114	48.051	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16660	49.569	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	118500	48.544	ug/l	99
94) Hexachlorobutadiene	15.117	225	74040	47.737	ug/l	99
95) Naphthalene	15.239	128	239017	50.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	102089	48.417	ug/l	99

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

