

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016156.D
 Acq On : 31 Oct 2023 19:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:41:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	164010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	265177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	233672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	112299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	83225	54.229	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.460%			
35) Dibromofluoromethane	7.728	113	79268	50.141	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.280%			
50) Toluene-d8	10.185	98	330727	52.764	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.520%			
62) 4-Bromofluorobenzene	12.489	95	112380	52.433	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	51596	49.317	ug/l	96
3) Chloromethane	2.119	50	70529	48.691	ug/l	96
4) Vinyl Chloride	2.253	62	75799	50.701	ug/l	95
5) Bromomethane	2.656	94	52553	52.087	ug/l	97
6) Chloroethane	2.802	64	52206	49.601	ug/l	97
7) Trichlorofluoromethane	3.131	101	112956	50.047	ug/l	100
8) Diethyl Ether	3.534	74	39503	52.808	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.906	101	70228	49.391	ug/l	96
10) Methyl Iodide	4.101	142	81678	51.659	ug/l	98
11) Tert butyl alcohol	4.960	59	26804	233.760	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	64038	49.344	ug/l	92
13) Acrolein	3.741	56	25014	236.977	ug/l	100
14) Allyl chloride	4.491	41	95284	51.330	ug/l #	95
15) Acrylonitrile	5.174	53	82482	258.036	ug/l	99
16) Acetone	3.948	43	61929	253.019	ug/l	97
17) Carbon Disulfide	4.204	76	168197	51.912	ug/l	99
18) Methyl Acetate	4.485	43	64056	51.901	ug/l #	91
19) Methyl tert-butyl Ether	5.228	73	193695	52.471	ug/l	96
20) Methylene Chloride	4.722	84	82543	53.067	ug/l	87
21) trans-1,2-Dichloroethene	5.235	96	76305	50.477	ug/l	94
22) Diisopropyl ether	6.131	45	236898	52.763	ug/l	89
23) Vinyl Acetate	6.070	43	574629	260.668	ug/l #	93
24) 1,1-Dichloroethane	6.033	63	140593	52.321	ug/l	98
25) 2-Butanone	6.996	43	105053	248.113	ug/l	91
26) 2,2-Dichloropropane	6.990	77	123439	48.595	ug/l	97
27) cis-1,2-Dichloroethene	7.003	96	92156	51.802	ug/l	92
28) Bromochloromethane	7.344	49	51716	51.431	ug/l	90
29) Tetrahydrofuran	7.356	42	69454	261.680	ug/l	90
30) Chloroform	7.515	83	150155	51.326	ug/l	96
31) Cyclohexane	7.795	56	111859	47.414	ug/l	89
32) 1,1,1-Trichloroethane	7.716	97	134826	50.252	ug/l	98
36) 1,1-Dichloropropene	7.929	75	109251	47.858	ug/l	99
37) Ethyl Acetate	7.088	43	50037	49.212	ug/l #	96
38) Carbon Tetrachloride	7.911	117	114548	50.648	ug/l	98
39) Methylcyclohexane	9.191	83	132907	48.775	ug/l	91
40) Benzene	8.167	78	322507	49.210	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	27188m	46.067	ug/l	
42) 1,2-Dichloroethane	8.246	62	91516	50.038	ug/l	93
43) Isopropyl Acetate	8.283	43	99534	49.490	ug/l	92
44) Trichloroethene	8.947	130	94243	49.139	ug/l	95
45) 1,2-Dichloropropane	9.222	63	80674	51.170	ug/l	96
46) Dibromomethane	9.313	93	44762	50.050	ug/l	98
47) Bromodichloromethane	9.502	83	115596	50.871	ug/l	96
48) Methyl methacrylate	9.301	41	44837	49.026	ug/l	91
49) 1,4-Dioxane	9.307	88	9676	897.528	ug/l #	56
51) 4-Methyl-2-Pentanone	10.075	43	253087	252.197	ug/l	92
52) Toluene	10.252	92	211014	49.688	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	116052	51.160	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	132521	49.787	ug/l	92
55) 1,1,2-Trichloroethane	10.654	97	63349	50.355	ug/l	96
56) Ethyl methacrylate	10.514	69	83812	51.299	ug/l #	86
57) 1,3-Dichloropropane	10.795	76	107518	50.203	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	203062	256.313	ug/l	93
59) 2-Hexanone	10.837	43	170406	247.799	ug/l	90
60) Dibromochloromethane	10.990	129	80196	50.812	ug/l	99
61) 1,2-Dibromoethane	11.093	107	59764	49.944	ug/l	100
64) Tetrachloroethene	10.727	164	97739	47.024	ug/l	97
65) Chlorobenzene	11.520	112	230281	49.603	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	86661	50.398	ug/l	98
67) Ethyl Benzene	11.599	91	409167	49.275	ug/l	99
68) m/p-Xylenes	11.709	106	316910	98.767	ug/l	95
69) o-Xylene	12.038	106	151953	49.600	ug/l	97
70) Styrene	12.050	104	257593	50.578	ug/l	96
71) Bromoform	12.215	173	47535	49.831	ug/l #	100
73) Isopropylbenzene	12.337	105	404265	47.991	ug/l	99
74) N-amyl acetate	12.148	43	89552	48.921	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	64578	48.177	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	52885m	50.008	ug/l	
77) Bromobenzene	12.617	156	93391	48.962	ug/l	95
78) n-propylbenzene	12.678	91	479086	48.105	ug/l	99
79) 2-Chlorotoluene	12.764	91	267961	48.240	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	330924	48.489	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	22948	47.050	ug/l	95
82) 4-Chlorotoluene	12.861	91	278261	48.784	ug/l	99
83) tert-Butylbenzene	13.081	119	294959	48.303	ug/l	98
84) 1,2,4-Trimethylbenzene	13.130	105	328594	48.658	ug/l	98
85) sec-Butylbenzene	13.258	105	434043	48.428	ug/l	99
86) p-Isopropyltoluene	13.373	119	358382	48.246	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	182699	48.431	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	180876	48.512	ug/l	100
89) n-Butylbenzene	13.703	91	332189	48.670	ug/l	96
90) Hexachloroethane	13.971	117	64803	50.624	ug/l	94
91) 1,2-Dichlorobenzene	13.745	146	160218	49.156	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10846	45.212	ug/l	89
93) 1,2,4-Trichlorobenzene	15.013	180	100101	49.759	ug/l	99
94) Hexachlorobutadiene	15.117	225	53998	49.120	ug/l	97
95) Naphthalene	15.245	128	188499	48.232	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	85317	49.646	ug/l	99

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

