

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016215.D
 Acq On : 03 Nov 2023 15:46
 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 : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

Quant Time: Nov 03 23:03:27 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	7.795	168	151353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	247836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	215531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	102311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76982	54.356	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.720%			
35) Dibromofluoromethane	7.728	113	72111	48.805	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.620%			
50) Toluene-d8	10.185	98	297289	50.748	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.489	95	98206	49.026	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	47690	49.396	ug/l	95
3) Chloromethane	2.113	50	64700	48.402	ug/l	99
4) Vinyl Chloride	2.253	62	73027	52.932	ug/l	98
5) Bromomethane	2.656	94	49227	52.871	ug/l	99
6) Chloroethane	2.796	64	49966	51.442	ug/l	99
7) Trichlorofluoromethane	3.131	101	108332	52.012	ug/l	98
8) Diethyl Ether	3.534	74	38890	56.336	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.906	101	66139	50.405	ug/l	98
10) Methyl Iodide	4.095	142	77512	53.124	ug/l	97
11) Tert butyl alcohol	4.966	59	30437	287.641	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	61256	51.148	ug/l	89
13) Acrolein	3.735	56	27980	289.086	ug/l	99
14) Allyl chloride	4.485	41	97612	56.982	ug/l #	95
15) Acrylonitrile	5.168	53	87710	297.337	ug/l	98
16) Acetone	3.954	43	63483	283.347	ug/l	93
17) Carbon Disulfide	4.204	76	152330	50.946	ug/l	98
18) Methyl Acetate	4.485	43	70092	61.540	ug/l #	90
19) Methyl tert-butyl Ether	5.229	73	196159	57.582	ug/l	99
20) Methylene Chloride	4.723	84	75767	52.767	ug/l	90
21) trans-1,2-Dichloroethene	5.229	96	74288	53.252	ug/l	91
22) Diisopropyl ether	6.125	45	232526	56.120	ug/l	89
23) Vinyl Acetate	6.070	43	578490	284.365	ug/l #	92
24) 1,1-Dichloroethane	6.027	63	136818	55.174	ug/l	96
25) 2-Butanone	6.990	43	113200	289.713	ug/l	93
26) 2,2-Dichloropropane	6.990	77	119352	50.915	ug/l	96
27) cis-1,2-Dichloroethene	6.997	96	89965	54.800	ug/l	91
28) Bromochloromethane	7.344	49	47415	51.097	ug/l	88
29) Tetrahydrofuran	7.356	42	74658	304.809	ug/l	90
30) Chloroform	7.515	83	147755	54.729	ug/l	96
31) Cyclohexane	7.795	56	104008	47.773	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	128602	51.941	ug/l	98
36) 1,1-Dichloropropene	7.929	75	104936	49.184	ug/l	100
37) Ethyl Acetate	7.082	43	53588	56.392	ug/l	96
38) Carbon Tetrachloride	7.911	117	112353	53.154	ug/l	97
39) Methylcyclohexane	9.191	83	123207	48.379	ug/l	93
40) Benzene	8.167	78	313202	51.134	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	26803	48.592	ug/l	96
42) 1,2-Dichloroethane	8.246	62	89989	52.646	ug/l	94
43) Isopropyl Acetate	8.277	43	107548	57.216	ug/l	93
44) Trichloroethene	8.947	130	89731	50.060	ug/l	96
45) 1,2-Dichloropropane	9.222	63	78503	53.277	ug/l	98
46) Dibromomethane	9.313	93	44422	53.145	ug/l	97
47) Bromodichloromethane	9.502	83	115022	54.160	ug/l	98
48) Methyl methacrylate	9.301	41	46544	54.454	ug/l #	87
49) 1,4-Dioxane	9.301	88	9988	1005.013	ug/l #	56
51) 4-Methyl-2-Pentanone	10.075	43	272415	290.451	ug/l	91
52) Toluene	10.252	92	205904	51.877	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	113307	53.445	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	129908	52.220	ug/l	91
55) 1,1,2-Trichloroethane	10.654	97	64114	54.529	ug/l	94
56) Ethyl methacrylate	10.514	69	85925	56.272	ug/l #	87
57) 1,3-Dichloropropane	10.801	76	106621	53.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	206798	279.293	ug/l	93
59) 2-Hexanone	10.837	43	188570	293.399	ug/l	90
60) Dibromochloromethane	10.990	129	78950	53.523	ug/l	100
61) 1,2-Dibromoethane	11.093	107	60595	54.182	ug/l	100
64) Tetrachloroethene	10.728	164	90582	47.249	ug/l	98
65) Chlorobenzene	11.526	112	220298	51.446	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	84046	52.991	ug/l	99
67) Ethyl Benzene	11.599	91	389729	50.885	ug/l	99
68) m/p-Xylenes	11.709	106	299571	101.221	ug/l	95
69) o-Xylene	12.038	106	145109	51.352	ug/l	96
70) Styrene	12.050	104	242188	51.556	ug/l	96
71) Bromoform	12.215	173	48420	55.031	ug/l #	100
73) Isopropylbenzene	12.337	105	384555	50.108	ug/l	100
74) N-amyl acetate	12.148	43	91159	54.660	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	67525	55.293	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	54010m	56.058	ug/l	
77) Bromobenzene	12.617	156	87690	50.461	ug/l	97
78) n-propylbenzene	12.678	91	449818	49.575	ug/l	99
79) 2-Chlorotoluene	12.764	91	253328	50.058	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	306596	49.310	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.386	75	24310	54.708	ug/l	94
82) 4-Chlorotoluene	12.861	91	261649	50.350	ug/l	100
83) tert-Butylbenzene	13.081	119	273320	49.128	ug/l	99
84) 1,2,4-Trimethylbenzene	13.130	105	304952	49.566	ug/l	98
85) sec-Butylbenzene	13.258	105	401684	49.193	ug/l	100
86) p-Isopropyltoluene	13.373	119	331445	48.976	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	170970	49.746	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	169035	49.762	ug/l	99
89) n-Butylbenzene	13.703	91	303870	48.867	ug/l	96
90) Hexachloroethane	13.971	117	63189	54.182	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	150707	50.752	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10919	49.960	ug/l	89
93) 1,2,4-Trichlorobenzene	15.013	180	84937	46.343	ug/l	99
94) Hexachlorobutadiene	15.117	225	46762	46.690	ug/l	99
95) Naphthalene	15.245	128	172025	48.314	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	71776	45.844	ug/l	99

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

