

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
 Data File : VY008302.D
 Acq On : 13 Apr 2022 09:53
 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 : John Carlone 04/14/2022
 Supervised By : Mahesh Dadoda 04/14/2022

Quant Time: Apr 14 05:54:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	135568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	231248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	219803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	56454	44.333	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.660%		
35) Dibromofluoromethane	7.716	113	56994	42.671	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.340%		
50) Toluene-d8	10.179	98	195685	42.816	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	85.640%		
62) 4-Bromofluorobenzene	12.483	95	77203	44.911	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45382	40.422	ug/l	100
3) Chloromethane	2.113	50	63636	50.073	ug/l	94
4) Vinyl Chloride	2.253	62	90944	47.089	ug/l	97
5) Bromomethane	2.650	94	76787	51.308	ug/l	99
6) Chloroethane	2.790	64	65327	48.294	ug/l	99
7) Trichlorofluoromethane	3.125	101	109853	47.802	ug/l	94
8) Diethyl Ether	3.528	74	38308	46.126	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.893	101	70997	47.560	ug/l	93
10) Methyl Iodide	4.088	142	74414	44.865	ug/l	91
11) Tert butyl alcohol	4.942	59	36097	265.148	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	61571	46.047	ug/l	81
13) Acrolein	3.729	56	24638	229.844	ug/l	95
14) Allyl chloride	4.479	41	84117	48.202	ug/l #	91
15) Acrylonitrile	5.161	53	102742	252.930	ug/l	97
16) Acetone	3.948	43	87194	284.680	ug/l #	89
17) Carbon Disulfide	4.192	76	149545	42.393	ug/l	99
18) Methyl Acetate	4.473	43	41533	56.942	ug/l #	78
19) Methyl tert-butyl Ether	5.216	73	206186	49.966	ug/l	96
20) Methylene Chloride	4.716	84	75112	45.760	ug/l #	81
21) trans-1,2-Dichloroethene	5.216	96	74943	46.779	ug/l #	81
22) Diisopropyl ether	6.119	45	206669	50.197	ug/l #	89
23) Vinyl Acetate	6.058	43	698519	261.839	ug/l #	85
24) 1,1-Dichloroethane	6.009	63	130343	49.320	ug/l	98
25) 2-Butanone	6.984	43	130648	272.790	ug/l #	73
26) 2,2-Dichloropropane	6.978	77	125010	51.364	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	92852	48.848	ug/l	82
28) Bromochloromethane	7.332	49	56559	55.834	ug/l #	67
29) Tetrahydrofuran	7.344	42	81484	263.520	ug/l #	72
30) Chloroform	7.503	83	146955	49.798	ug/l	99
31) Cyclohexane	7.783	56	103601	44.991	ug/l #	84
32) 1,1,1-Trichloroethane	7.698	97	131501	50.940	ug/l	95
36) 1,1-Dichloropropene	7.917	75	105596	49.510	ug/l	96
37) Ethyl Acetate	7.070	43	56322	51.213	ug/l #	89
38) Carbon Tetrachloride	7.899	117	116771	50.891	ug/l	97
39) Methylcyclohexane	9.179	83	133937	48.807	ug/l #	84
40) Benzene	8.161	78	313534	49.366	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	36070m	58.627	ug/l	
42) 1,2-Dichloroethane	8.234	62	94070	51.052	ug/l	91
43) Isopropyl Acetate	8.271	43	108946	53.378	ug/l #	85
44) Trichloroethene	8.941	130	88671	48.987	ug/l	98
45) 1,2-Dichloropropane	9.216	63	78741	50.750	ug/l	97
46) Dibromomethane	9.307	93	53044	51.655	ug/l	94
47) Bromodichloromethane	9.496	83	119136	51.587	ug/l	99
48) Methyl methacrylate	9.289	41	46162	53.203	ug/l #	72
49) 1,4-Dioxane	9.295	88	16038	1210.227	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	291948	277.012	ug/l #	82
52) Toluene	10.240	92	214035	51.149	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	125171	53.183	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	137553	51.803	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	76619	52.305	ug/l	99
56) Ethyl methacrylate	10.508	69	99351	55.320	ug/l #	73
57) 1,3-Dichloropropane	10.789	76	121159	51.506	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	172268	243.515	ug/l #	89
59) 2-Hexanone	10.831	43	208734	287.831	ug/l	78
60) Dibromochloromethane	10.984	129	91082	53.230	ug/l	99
61) 1,2-Dibromoethane	11.087	107	73784	51.519	ug/l	99
64) Tetrachloroethene	10.721	164	75882	48.982	ug/l	99
65) Chlorobenzene	11.514	112	241977	50.764	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	92240	51.857	ug/l	97
67) Ethyl Benzene	11.593	91	421486	51.996	ug/l	96
68) m/p-Xylenes	11.703	106	335433	104.046	ug/l	91
69) o-Xylene	12.032	106	161264	51.546	ug/l	89
70) Styrene	12.044	104	275674	53.429	ug/l	93
71) Bromoform	12.209	173	57294	53.436	ug/l #	99
73) Isopropylbenzene	12.331	105	427570	50.968	ug/l	99
74) N-amyl acetate	12.142	43	98935	54.321	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.581	83	93301	52.561	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	68109m	54.578	ug/l	
77) Bromobenzene	12.611	156	99995	48.642	ug/l	93
78) n-propylbenzene	12.672	91	507859	51.304	ug/l	98
79) 2-Chlorotoluene	12.758	91	280726	50.532	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	350616	50.970	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	30909	55.419	ug/l #	82
82) 4-Chlorotoluene	12.855	91	294023	51.501	ug/l	96
83) tert-Butylbenzene	13.075	119	317626	51.470	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	351693	51.662	ug/l	96
85) sec-Butylbenzene	13.251	105	477454	52.187	ug/l	100
86) p-Isopropyltoluene	13.373	119	399682	52.351	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	207415	50.945	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	203701	50.553	ug/l	99
89) n-Butylbenzene	13.697	91	358486	51.971	ug/l	98
90) Hexachloroethane	13.965	117	74794	52.415	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	182290	50.326	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14024	55.219	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	99328	46.363	ug/l	99
94) Hexachlorobutadiene	15.111	225	50795	46.702	ug/l	98
95) Naphthalene	15.239	128	230499	50.227	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	87260	46.544	ug/l	98

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

