

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008883.D
 Acq On : 19 May 2022 21:13
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 20 02:55:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	140303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	249980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	153750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	70033	53.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.620%			
35) Dibromofluoromethane	7.716	113	67516	48.280	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.560%			
50) Toluene-d8	10.179	98	283035	45.817	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.640%			
62) 4-Bromofluorobenzene	12.483	95	107492	48.565	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	44814	51.539	ug/l	99
3) Chloromethane	2.113	50	72893	59.387	ug/l	97
4) Vinyl Chloride	2.247	62	104353	55.765	ug/l	97
5) Bromomethane	2.649	94	93128	57.198	ug/l	99
6) Chloroethane	2.790	64	77840	54.167	ug/l	98
7) Trichlorofluoromethane	3.125	101	95172	50.687	ug/l	92
8) Diethyl Ether	3.527	74	34102	54.857	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	63004	54.959	ug/l	92
10) Methyl Iodide	4.088	142	70782	48.695	ug/l	91
11) Tert butyl alcohol	4.954	59	30775	213.933	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	55360	46.501	ug/l	93
13) Acrolein	3.729	56	7558	106.206	ug/l	95
14) Allyl chloride	4.472	41	91434	52.213	ug/l #	89
15) Acrylonitrile	5.161	53	98911	234.637	ug/l	97
16) Acetone	3.948	43	68279	233.355	ug/l	90
17) Carbon Disulfide	4.192	76	155317	50.931	ug/l	99
18) Methyl Acetate	4.478	43	43848	47.165	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	192030	59.891	ug/l	96
20) Methylene Chloride	4.716	84	73910	55.864	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	74585	51.095	ug/l	88
22) Diisopropyl ether	6.118	45	242685	65.439	ug/l #	94
23) Vinyl Acetate	6.057	43	784992	300.209	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	138061	56.104	ug/l	98
25) 2-Butanone	6.984	43	128679	235.577	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	117664	50.308	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	92257	56.982	ug/l	88
28) Bromochloromethane	7.332	49	49123	52.654	ug/l #	88
29) Tetrahydrofuran	7.344	42	86754	238.418	ug/l #	85
30) Chloroform	7.508	83	151581	57.453	ug/l	98
31) Cyclohexane	7.783	56	114025	55.819	ug/l	90
32) 1,1,1-Trichloroethane	7.703	97	133780	54.690	ug/l	97
36) 1,1-Dichloropropene	7.917	75	109992	49.109	ug/l	99
37) Ethyl Acetate	7.076	43	59362	44.475	ug/l	97
38) Carbon Tetrachloride	7.899	117	118727	49.462	ug/l	98
39) Methylcyclohexane	9.185	83	137513	51.772	ug/l #	88
40) Benzene	8.161	78	341137	54.433	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	37711m	53.725	ug/l	
42) 1,2-Dichloroethane	8.234	62	104322	56.708	ug/l	92
43) Isopropyl Acetate	8.270	43	118417	53.295	ug/l #	92
44) Trichloroethene	8.941	130	88677	52.016	ug/l	99
45) 1,2-Dichloropropane	9.215	63	86745	58.240	ug/l	95
46) Dibromomethane	9.307	93	53916	55.089	ug/l	94
47) Bromodichloromethane	9.496	83	128370	59.165	ug/l	96
48) Methyl methacrylate	9.289	41	53171	54.499	ug/l #	82
49) 1,4-Dioxane	9.295	88	13941	948.328	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	337728	257.474	ug/l	91
52) Toluene	10.246	92	243649	57.214	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	131892	58.524	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	141274	58.132	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	79168	59.485	ug/l	98
56) Ethyl methacrylate	10.508	69	101547	62.888	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	130104	59.452	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	226145	274.648	ug/l	94
59) 2-Hexanone	10.831	43	230330	245.759	ug/l	87
60) Dibromochloromethane	10.983	129	97360	60.937	ug/l	99
61) 1,2-Dibromoethane	11.087	107	75264	56.707	ug/l	100
64) Tetrachloroethene	10.721	164	78624	49.135	ug/l	99
65) Chlorobenzene	11.514	112	267840	52.940	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	105820	57.251	ug/l	96
67) Ethyl Benzene	11.593	91	491700	54.421	ug/l	98
68) m/p-Xylenes	11.703	106	407016	113.078	ug/l	91
69) o-Xylene	12.032	106	194540	58.494	ug/l	90
70) Styrene	12.044	104	344857	61.253	ug/l	93
71) Bromoform	12.209	173	69585	55.458	ug/l #	98
73) Isopropylbenzene	12.331	105	526323	49.913	ug/l	100
74) N-amyl acetate	12.142	43	127866	50.802	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	106590	45.469	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	80431m	45.287	ug/l	
77) Bromobenzene	12.611	156	121433	49.700	ug/l	93
78) n-propylbenzene	12.672	91	648876	50.090	ug/l	99
79) 2-Chlorotoluene	12.757	91	361719	51.553	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	459962	54.025	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	36272	44.671	ug/l #	85
82) 4-Chlorotoluene	12.855	91	399480	53.893	ug/l	97
83) tert-Butylbenzene	13.074	119	408900	53.404	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	464219	55.078	ug/l	97
85) sec-Butylbenzene	13.257	105	635772	53.221	ug/l	100
86) p-Isopropyltoluene	13.373	119	532059	54.623	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	275046	53.575	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	273340	53.828	ug/l	99
89) n-Butylbenzene	13.696	91	476224	51.508	ug/l	100
90) Hexachloroethane	13.958	117	97912	53.166	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	245200	54.616	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15754	39.304	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	128162	52.276	ug/l	99
94) Hexachlorobutadiene	15.117	225	68701	48.698	ug/l	98
95) Naphthalene	15.239	128	267292	48.770	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	113561	52.729	ug/l	100

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

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