

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051022\
 Data File : VY008669.D
 Acq On : 10 May 2022 10:23
 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 05/11/2022
 Supervised By : Mahesh Dadoda 05/11/2022

Quant Time: May 10 15:55:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050922S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 09 19:21:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	242597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	373805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	102335	49.230	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.460%		
35) Dibromofluoromethane	7.716	113	114968	49.909	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.820%		
50) Toluene-d8	10.179	98	403885	49.754	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.500%		
62) 4-Bromofluorobenzene	12.483	95	146028	50.002	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	55527	43.793	ug/l	97
3) Chloromethane	2.113	50	63619	40.755	ug/l	94
4) Vinyl Chloride	2.259	62	92699	46.774	ug/l	98
5) Bromomethane	2.662	94	73579	46.197	ug/l	98
6) Chloroethane	2.802	64	54872	40.353	ug/l	94
7) Trichlorofluoromethane	3.119	101	108913	45.418	ug/l	92
8) Diethyl Ether	3.527	74	74569	49.154	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	120783	49.222	ug/l	94
10) Methyl Iodide	4.082	142	204688	50.263	ug/l #	87
11) Tert butyl alcohol	5.015	59	51732m	289.838	ug/l	
12) 1,1-Dichloroethene	3.869	96	129562	51.020	ug/l #	75
13) Acrolein	3.735	56	55035	268.111	ug/l	96
14) Allyl chloride	4.472	41	160638	48.897	ug/l #	84
15) Acrylonitrile	5.173	53	156850	230.724	ug/l	96
16) Acetone	3.973	43	114969	234.430	ug/l #	86
17) Carbon Disulfide	4.192	76	334727	49.699	ug/l	99
18) Methyl Acetate	4.479	43	67164	46.020	ug/l #	79
19) Methyl tert-butyl Ether	5.216	73	225088	48.082	ug/l	97
20) Methylene Chloride	4.710	84	140837	47.289	ug/l #	78
21) trans-1,2-Dichloroethene	5.216	96	143056	50.121	ug/l #	79
22) Diisopropyl ether	6.118	45	355783	50.029	ug/l #	89
23) Vinyl Acetate	6.058	43	1179148	262.500	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	227148	49.746	ug/l	97
25) 2-Butanone	6.990	43	179254	222.356	ug/l #	79
26) 2,2-Dichloropropane	6.972	77	146019	47.835	ug/l	89
27) cis-1,2-Dichloroethene	6.984	96	159188	49.335	ug/l	77
28) Bromochloromethane	7.332	49	80902	49.962	ug/l #	65
29) Tetrahydrofuran	7.356	42	119173	221.192	ug/l #	74
30) Chloroform	7.502	83	238353	49.359	ug/l	96
31) Cyclohexane	7.783	56	191569	46.588	ug/l	86
32) 1,1,1-Trichloroethane	7.697	97	197330	49.863	ug/l #	94
36) 1,1-Dichloropropene	7.911	75	184355	49.811	ug/l	95
37) Ethyl Acetate	7.069	43	90533	49.195	ug/l #	91
38) Carbon Tetrachloride	7.899	117	190470	50.882	ug/l	98
39) Methylcyclohexane	9.179	83	238797	49.888	ug/l #	85
40) Benzene	8.155	78	539252	50.148	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	47631	46.977	ug/l #	44
42) 1,2-Dichloroethane	8.234	62	140531	50.415	ug/l	87
43) Isopropyl Acetate	8.271	43	166291	49.743	ug/l #	84
44) Trichloroethene	8.935	130	156799	49.965	ug/l	99
45) 1,2-Dichloropropane	9.215	63	131493	50.119	ug/l	94
46) Dibromomethane	9.307	93	83063	50.585	ug/l	97
47) Bromodichloromethane	9.496	83	186176	50.775	ug/l	97
48) Methyl methacrylate	9.295	41	74846	51.431	ug/l #	73
49) 1,4-Dioxane	9.368	88	19455m	979.757	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	431692	246.898	ug/l #	83
52) Toluene	10.240	92	353887	50.551	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	199804	50.709	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	229491	51.038	ug/l #	77
55) 1,1,2-Trichloroethane	10.642	97	118873	50.763	ug/l	96
56) Ethyl methacrylate	10.508	69	154833	52.251	ug/l #	70
57) 1,3-Dichloropropane	10.788	76	194466	50.768	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	386517	263.427	ug/l	91
59) 2-Hexanone	10.831	43	296455	247.556	ug/l	79
60) Dibromochloromethane	10.983	129	145645	51.219	ug/l	100
61) 1,2-Dibromoethane	11.087	107	116436	50.457	ug/l	100
64) Tetrachloroethene	10.721	164	130794	48.641	ug/l	98
65) Chlorobenzene	11.514	112	390799	50.637	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	147690	51.531	ug/l	97
67) Ethyl Benzene	11.593	91	674533	50.861	ug/l	96
68) m/p-Xylenes	11.703	106	533288	100.501	ug/l	90
69) o-Xylene	12.032	106	258414	51.334	ug/l	89
70) Styrene	12.044	104	435506	52.103	ug/l	93
71) Bromoform	12.209	173	95615	51.764	ug/l #	100
73) Isopropylbenzene	12.331	105	666187	49.797	ug/l	99
74) N-amyl acetate	12.142	43	152741	50.849	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.587	83	138215	49.359	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	105605m	53.499	ug/l	
77) Bromobenzene	12.611	156	165456	49.430	ug/l	88
78) n-propylbenzene	12.672	91	794006	49.919	ug/l	97
79) 2-Chlorotoluene	12.758	91	440345	50.042	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	548685	50.638	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	49640	50.032	ug/l #	77
82) 4-Chlorotoluene	12.855	91	448971	49.202	ug/l	94
83) tert-Butylbenzene	13.075	119	483252	49.715	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	542326	50.682	ug/l	97
85) sec-Butylbenzene	13.257	105	718776	50.030	ug/l	99
86) p-Isopropyltoluene	13.373	119	606079	50.768	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	323963	50.034	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	318875	49.669	ug/l	98
89) n-Butylbenzene	13.696	91	549831	50.325	ug/l	97
90) Hexachloroethane	13.965	117	116885	50.427	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	288067	50.159	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	19859	47.918	ug/l	57
93) 1,2,4-Trichlorobenzene	15.013	180	186441	50.818	ug/l	99
94) Hexachlorobutadiene	15.117	225	99976	49.729	ug/l	98
95) Naphthalene	15.239	128	391398	52.146	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	165680	51.243	ug/l	99

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

