

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050322\
 Data File : VY008579.D
 Acq On : 03 May 2022 09:44
 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 05/04/2022
 Supervised By : Mahesh Dadoda 05/04/2022

Quant Time: May 03 16:54:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	164832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	247027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	223064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81864	51.100	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.200%			
35) Dibromofluoromethane	7.716	113	85892	52.547	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.100%			
50) Toluene-d8	10.179	98	319714	55.209	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.420%			
62) 4-Bromofluorobenzene	12.483	95	109858	51.758	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	72486	43.878	ug/l	99
3) Chloromethane	2.113	50	85884	44.726	ug/l	95
4) Vinyl Chloride	2.253	62	102450	44.376	ug/l	100
5) Bromomethane	2.650	94	79207	46.326	ug/l	98
6) Chloroethane	2.796	64	64116	43.335	ug/l	95
7) Trichlorofluoromethane	3.125	101	141412	45.287	ug/l	93
8) Diethyl Ether	3.527	74	48634	48.632	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	85727	46.701	ug/l	94
10) Methyl Iodide	4.088	142	101696	44.689	ug/l #	88
11) Tert butyl alcohol	4.954	59	42411	258.530	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	82818	47.879	ug/l #	77
13) Acrolein	3.729	56	56999	263.314	ug/l	98
14) Allyl chloride	4.478	41	102849	49.666	ug/l #	86
15) Acrylonitrile	5.161	53	116744	256.052	ug/l	97
16) Acetone	3.942	43	96091	278.378	ug/l #	86
17) Carbon Disulfide	4.192	76	244094	49.631	ug/l	99
18) Methyl Acetate	4.472	43	49588	50.417	ug/l #	80
19) Methyl tert-butyl Ether	5.216	73	227770	47.754	ug/l	94
20) Methylene Chloride	4.716	84	91750	43.993	ug/l #	78
21) trans-1,2-Dichloroethene	5.216	96	94579	48.133	ug/l #	79
22) Diisopropyl ether	6.112	45	234150	48.979	ug/l #	91
23) Vinyl Acetate	6.057	43	803022	257.219	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	144690	48.014	ug/l	96
25) 2-Butanone	6.984	43	147463	266.144	ug/l #	75
26) 2,2-Dichloropropane	6.978	77	136146	47.171	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	106417	47.322	ug/l	80
28) Bromochloromethane	7.332	49	51794	44.951	ug/l #	59
29) Tetrahydrofuran	7.344	42	96540	262.703	ug/l #	76
30) Chloroform	7.502	83	159017	47.096	ug/l	97
31) Cyclohexane	7.783	56	131583	47.585	ug/l #	85
32) 1,1,1-Trichloroethane	7.697	97	143819	46.436	ug/l #	93
36) 1,1-Dichloropropene	7.917	75	122834	48.326	ug/l	94
37) Ethyl Acetate	7.069	43	65261	50.066	ug/l #	90
38) Carbon Tetrachloride	7.899	117	134686	46.447	ug/l	99
39) Methylcyclohexane	9.179	83	160493	47.866	ug/l #	86
40) Benzene	8.161	78	359730	48.998	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	29377m	51.371	ug/l	
42) 1,2-Dichloroethane	8.234	62	98669	46.432	ug/l	88
43) Isopropyl Acetate	8.270	43	118852	50.113	ug/l #	85
44) Trichloroethene	8.941	130	107574	46.711	ug/l	92
45) 1,2-Dichloropropane	9.215	63	84765	49.490	ug/l	97
46) Dibromomethane	9.307	93	57443	48.043	ug/l	94
47) Bromodichloromethane	9.496	83	125509	48.176	ug/l	99
48) Methyl methacrylate	9.289	41	51668	49.562	ug/l #	76
49) 1,4-Dioxane	9.301	88	16242	1071.355	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	321515	258.277	ug/l #	84
52) Toluene	10.246	92	238565	48.615	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	135012	49.021	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	149904	48.991	ug/l #	78
55) 1,1,2-Trichloroethane	10.648	97	81139	48.699	ug/l	95
56) Ethyl methacrylate	10.508	69	107528	51.089	ug/l #	71
57) 1,3-Dichloropropane	10.788	76	131690	49.513	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	294042	275.254	ug/l #	88
59) 2-Hexanone	10.831	43	230506	271.903	ug/l	79
60) Dibromochloromethane	10.983	129	100700	48.318	ug/l	100
61) 1,2-Dibromoethane	11.087	107	81474	48.317	ug/l	99
64) Tetrachloroethene	10.721	164	95695	47.028	ug/l	97
65) Chlorobenzene	11.514	112	262972	48.943	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	98222	48.421	ug/l	98
67) Ethyl Benzene	11.593	91	442662	48.970	ug/l	96
68) m/p-Xylenes	11.703	106	362076	98.053	ug/l	89
69) o-Xylene	12.032	106	174156	49.211	ug/l	88
70) Styrene	12.044	104	293038	49.810	ug/l	92
71) Bromoform	12.209	173	68204	50.578	ug/l #	98
73) Isopropylbenzene	12.331	105	446620	49.815	ug/l	98
74) N-amyl acetate	12.142	43	109369	54.587	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	97511	53.746	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	60950m	49.683	ug/l	
77) Bromobenzene	12.611	156	114433	48.375	ug/l	87
78) n-propylbenzene	12.672	91	525902	50.407	ug/l	96
79) 2-Chlorotoluene	12.757	91	291951	49.702	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	369384	49.868	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	33732	55.746	ug/l #	79
82) 4-Chlorotoluene	12.855	91	304622	50.343	ug/l	94
83) tert-Butylbenzene	13.074	119	326787	49.255	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	365134	49.594	ug/l	95
85) sec-Butylbenzene	13.257	105	483753	49.475	ug/l	97
86) p-Isopropyltoluene	13.373	119	410113	49.404	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	218147	47.683	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	216631	48.006	ug/l	98
89) n-Butylbenzene	13.696	91	366972	50.188	ug/l	97
90) Hexachloroethane	13.965	117	76596	49.821	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	198150	48.534	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14805	53.619	ug/l	63
93) 1,2,4-Trichlorobenzene	15.007	180	122406	46.987	ug/l	99
94) Hexachlorobutadiene	15.111	225	68960	46.873	ug/l	99
95) Naphthalene	15.239	128	261304	50.019	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	107509	46.496	ug/l	99

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

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