

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008514.D
 Acq On : 27 Apr 2022 09:27
 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 04/28/2022
 Supervised By : Mahesh Dadoda 05/04/2022

Quant Time: Apr 27 15:27:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	101532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	170073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	162564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	61070	51.120	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.240%			
35) Dibromofluoromethane	7.716	113	60254	54.895	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.800%			
50) Toluene-d8	10.179	98	237096	54.021	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.040%			
62) 4-Bromofluorobenzene	12.483	95	80682	54.589	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41911	45.456	ug/l	99
3) Chloromethane	2.113	50	75307	51.905	ug/l	95
4) Vinyl Chloride	2.253	62	105190	55.797	ug/l	97
5) Bromomethane	2.650	94	90201	51.458	ug/l	98
6) Chloroethane	2.796	64	70960	56.579	ug/l	98
7) Trichlorofluoromethane	3.125	101	95207	48.751	ug/l	92
8) Diethyl Ether	3.534	74	30796	45.817	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.906	101	57669	49.605	ug/l	94
10) Methyl Iodide	4.095	142	66305	43.515	ug/l	92
11) Tert butyl alcohol	4.948	59	25903	210.208	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	52789	48.097	ug/l	81
13) Acrolein	3.729	56	26315	206.894	ug/l	97
14) Allyl chloride	4.479	41	73426	51.255	ug/l #	90
15) Acrylonitrile	5.161	53	81173	236.194	ug/l	98
16) Acetone	3.948	43	65373	234.937	ug/l	90
17) Carbon Disulfide	4.198	76	159264	47.997	ug/l	100
18) Methyl Acetate	4.479	43	34503	44.214	ug/l #	82
19) Methyl tert-butyl Ether	5.222	73	163127	46.972	ug/l	94
20) Methylene Chloride	4.716	84	63289	42.852	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	65545	48.957	ug/l	85
22) Diisopropyl ether	6.112	45	174405	50.413	ug/l #	92
23) Vinyl Acetate	6.058	43	603856	254.594	ug/l #	89
24) 1,1-Dichloroethane	6.015	63	108941	50.589	ug/l	98
25) 2-Butanone	6.984	43	105726	245.598	ug/l #	77
26) 2,2-Dichloropropane	6.978	77	103468	51.877	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	76418	49.900	ug/l	83
28) Bromochloromethane	7.332	49	42693	49.149	ug/l #	76
29) Tetrahydrofuran	7.344	42	67974	245.158	ug/l #	78
30) Chloroform	7.502	83	119520	50.520	ug/l	100
31) Cyclohexane	7.783	56	98165	49.983	ug/l #	83
32) 1,1,1-Trichloroethane	7.704	97	109090	52.661	ug/l	96
36) 1,1-Dichloropropene	7.917	75	92692	53.089	ug/l	97
37) Ethyl Acetate	7.070	43	46469	48.125	ug/l #	92
38) Carbon Tetrachloride	7.899	117	97866	53.949	ug/l	98
39) Methylcyclohexane	9.185	83	123298	55.154	ug/l #	84
40) Benzene	8.161	78	269762	52.959	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	19780m	42.242	ug/l	
42) 1,2-Dichloroethane	8.234	62	77525	50.552	ug/l	91
43) Isopropyl Acetate	8.271	43	92704	52.203	ug/l #	89
44) Trichloroethene	8.941	130	74738	53.258	ug/l	100
45) 1,2-Dichloropropane	9.216	63	65733	53.739	ug/l	94
46) Dibromomethane	9.307	93	43734	51.033	ug/l	94
47) Bromodichloromethane	9.496	83	96506	53.049	ug/l	96
48) Methyl methacrylate	9.295	41	40683	53.879	ug/l #	78
49) 1,4-Dioxane	9.295	88	10874	1006.257	ug/l #	77
51) 4-Methyl-2-Pentanone	10.069	43	245345	262.628	ug/l #	86
52) Toluene	10.246	92	183658	54.521	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	103936	53.276	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	111852	51.738	ug/l #	84
55) 1,1,2-Trichloroethane	10.648	97	60574	51.788	ug/l	97
56) Ethyl methacrylate	10.508	69	79961	52.946	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	98971	51.835	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	206921	249.999	ug/l	92
59) 2-Hexanone	10.831	43	174674	271.710	ug/l	84
60) Dibromochloromethane	10.990	129	72532	53.975	ug/l	99
61) 1,2-Dibromoethane	11.087	107	60544	52.335	ug/l	99
64) Tetrachloroethene	10.721	164	65315	54.179	ug/l	95
65) Chlorobenzene	11.520	112	196588	53.482	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	74457	54.866	ug/l	96
67) Ethyl Benzene	11.593	91	354885	55.631	ug/l	99
68) m/p-Xylenes	11.703	106	284243	111.237	ug/l	92
69) o-Xylene	12.032	106	135106	54.920	ug/l	91
70) Styrene	12.044	104	230697	55.648	ug/l	94
71) Bromoform	12.209	173	45265	53.223	ug/l #	99
73) Isopropylbenzene	12.331	105	356065	55.602	ug/l	100
74) N-amyl acetate	12.148	43	84937	53.679	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.587	83	74610	52.144	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	47172m	43.155	ug/l	
77) Bromobenzene	12.611	156	80868	51.779	ug/l	95
78) n-propylbenzene	12.672	91	432040	56.246	ug/l	98
79) 2-Chlorotoluene	12.758	91	235730	54.527	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	291050	54.755	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	25806	54.769	ug/l #	83
82) 4-Chlorotoluene	12.855	91	243666	54.390	ug/l	95
83) tert-Butylbenzene	13.081	119	265637	57.567	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	297281	56.366	ug/l	98
85) sec-Butylbenzene	13.257	105	399147	57.317	ug/l	100
86) p-Isopropyltoluene	13.373	119	336360	57.675	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	171125	54.729	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	165432	53.410	ug/l	99
89) n-Butylbenzene	13.696	91	308808	58.339	ug/l	99
90) Hexachloroethane	13.965	117	60582	57.779	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	147878	53.189	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10744	49.965	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	80017	51.704	ug/l	100
94) Hexachlorobutadiene	15.117	225	41779	55.329	ug/l	99
95) Naphthalene	15.239	128	178403	50.851	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	69790	51.522	ug/l	99

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

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