

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050322\
 Data File : VY008599.D
 Acq On : 03 May 2022 18:02
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/04/2022
 Supervised By : Mahesh Dadoda 05/04/2022

Quant Time: May 04 02:43:37 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	154957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	235720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	220622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	73503	48.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.600%		
35) Dibromofluoromethane	7.716	113	77926	49.960	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.920%		
50) Toluene-d8	10.179	98	289818	52.447	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.900%		
62) 4-Bromofluorobenzene	12.483	95	101755	50.240	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	76652	49.356	ug/l	99
3) Chloromethane	2.113	50	88938	49.268	ug/l	96
4) Vinyl Chloride	2.247	62	109111	50.273	ug/l	97
5) Bromomethane	2.650	94	86135	54.093	ug/l	96
6) Chloroethane	2.790	64	69199	49.751	ug/l	99
7) Trichlorofluoromethane	3.125	101	153858	52.413	ug/l	94
8) Diethyl Ether	3.528	74	47835	50.882	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.893	101	94142	54.554	ug/l	93
10) Methyl Iodide	4.088	142	100588	47.019	ug/l #	88
11) Tert butyl alcohol	4.942	59	38910	251.758	ug/l	98
12) 1,1-Dichloroethene	3.869	96	87967	54.097	ug/l #	77
13) Acrolein	3.729	56	41962	206.202	ug/l	98
14) Allyl chloride	4.479	41	107247	55.090	ug/l #	87
15) Acrylonitrile	5.155	53	105557	246.269	ug/l	98
16) Acetone	3.942	43	74542	229.712	ug/l #	83
17) Carbon Disulfide	4.192	76	257128	55.613	ug/l	99
18) Methyl Acetate	4.479	43	44989	48.592	ug/l #	78
19) Methyl tert-butyl Ether	5.216	73	224170	49.994	ug/l	94
20) Methylene Chloride	4.710	84	98648	51.302	ug/l #	79
21) trans-1,2-Dichloroethene	5.216	96	101145	54.755	ug/l #	80
22) Diisopropyl ether	6.112	45	243347	54.147	ug/l #	93
23) Vinyl Acetate	6.058	43	777287	264.843	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	153754	54.274	ug/l	96
25) 2-Butanone	6.978	43	127249	244.297	ug/l #	81
26) 2,2-Dichloropropane	6.978	77	144504	53.257	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	113253	53.571	ug/l	80
28) Bromochloromethane	7.332	49	50037	46.193	ug/l #	59
29) Tetrahydrofuran	7.344	42	85244	246.747	ug/l #	76
30) Chloroform	7.503	83	168785	53.174	ug/l	100
31) Cyclohexane	7.783	56	144430	55.560	ug/l #	83
32) 1,1,1-Trichloroethane	7.698	97	158107	54.302	ug/l #	94
36) 1,1-Dichloropropene	7.917	75	134933	55.633	ug/l	94
37) Ethyl Acetate	7.070	43	59191	47.588	ug/l #	91
38) Carbon Tetrachloride	7.899	117	147454	53.289	ug/l	98
39) Methylcyclohexane	9.179	83	181494	56.726	ug/l #	85
40) Benzene	8.161	78	384675	54.908	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	31865m	58.394	ug/l	
42) 1,2-Dichloroethane	8.234	62	100302	49.465	ug/l	88
43) Isopropyl Acetate	8.271	43	111303	49.181	ug/l #	84
44) Trichloroethene	8.935	130	117038	53.258	ug/l	96
45) 1,2-Dichloropropane	9.216	63	90669	55.476	ug/l	94
46) Dibromomethane	9.307	93	57287	50.211	ug/l	94
47) Bromodichloromethane	9.496	83	130980	52.687	ug/l	99
48) Methyl methacrylate	9.289	41	51008	51.276	ug/l #	75
49) 1,4-Dioxane	9.295	88	14429	997.420	ug/l #	74
51) 4-Methyl-2-Pentanone	10.069	43	293473	247.059	ug/l #	83
52) Toluene	10.240	92	257319	54.952	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	135443	51.537	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	156269	53.521	ug/l #	78
55) 1,1,2-Trichloroethane	10.642	97	81579	51.312	ug/l	98
56) Ethyl methacrylate	10.508	69	103876	51.721	ug/l #	70
57) 1,3-Dichloropropane	10.789	76	130986	51.610	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	249986	245.238	ug/l #	88
59) 2-Hexanone	10.831	43	201449	249.026	ug/l	79
60) Dibromochloromethane	10.984	129	102729	51.656	ug/l	100
61) 1,2-Dibromoethane	11.087	107	80088	49.773	ug/l	100
64) Tetrachloroethene	10.715	164	107242	53.285	ug/l	98
65) Chlorobenzene	11.514	112	283278	53.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	105077	52.373	ug/l	98
67) Ethyl Benzene	11.593	91	493878	55.241	ug/l	96
68) m/p-Xylenes	11.703	106	400137	109.559	ug/l	88
69) o-Xylene	12.026	106	189749	54.210	ug/l	88
70) Styrene	12.044	104	318449	54.729	ug/l	92
71) Bromoform	12.209	173	66179	49.619	ug/l #	98
73) Isopropylbenzene	12.331	105	499011	56.260	ug/l	98
74) N-amyl acetate	12.142	43	102418	51.669	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	92541	51.558	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	65182m	53.706	ug/l	
77) Bromobenzene	12.611	156	121119	51.754	ug/l	85
78) n-propylbenzene	12.672	91	587975	56.965	ug/l	96
79) 2-Chlorotoluene	12.758	91	320029	55.070	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	409722	55.910	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	31098	51.948	ug/l #	80
82) 4-Chlorotoluene	12.855	91	333955	55.786	ug/l	94
83) tert-Butylbenzene	13.075	119	368915	56.205	ug/l	90
84) 1,2,4-Trimethylbenzene	13.117	105	401272	55.091	ug/l	96
85) sec-Butylbenzene	13.251	105	546721	56.519	ug/l	98
86) p-Isopropyltoluene	13.367	119	456306	55.562	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	235174	51.960	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	233775	52.364	ug/l	97
89) n-Butylbenzene	13.697	91	404935	55.977	ug/l	97
90) Hexachloroethane	13.959	117	84789	55.745	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	206288	51.073	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12645	46.291	ug/l	57
93) 1,2,4-Trichlorobenzene	15.007	180	127603	49.511	ug/l	100
94) Hexachlorobutadiene	15.111	225	71746	49.293	ug/l	99
95) Naphthalene	15.239	128	243469	47.108	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	108010	47.217	ug/l	99

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

