

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072722\
 Data File : VY009736.D
 Acq On : 27 Jul 2022 19:46
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: Jul 28 02:47:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.782	168	207492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	315143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	303272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	160194	50.000	ug/l	0.00

07/28/2022
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 adoda

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	69647	50.480	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.960%	
35) Dibromofluoromethane	7.709	113	77735	45.354	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.700%	
50) Toluene-d8	10.172	98	229686	45.644	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 91.280%	
62) 4-Bromofluorobenzene	12.477	95	120096	52.843	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 105.680%	

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Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.899	85	84904	45.963	ug/l	100
3) Chloromethane	2.107	50	117498	51.952	ug/l	98
4) Vinyl Chloride	2.241	62	133551	52.914	ug/l	98
5) Bromomethane	2.637	94	92587	52.916	ug/l	94
6) Chloroethane	2.783	64	81238	53.805	ug/l	99
7) Trichlorofluoromethane	3.113	101	163473	49.030	ug/l	93
8) Diethyl Ether	3.521	74	54879	50.781	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.887	101	91229	48.387	ug/l	94
10) Methyl Iodide	4.076	142	124195	50.768	ug/l	88
11) Tert butyl alcohol	4.954	59	51499	252.299	ug/l #	94
12) 1,1-Dichloroethene	3.856	96	88570	49.968	ug/l	83
13) Acrolein	3.722	56	7173	218.920	ug/l	98
14) Allyl chloride	4.466	41	137954	49.501	ug/l #	92
15) Acrylonitrile	5.149	53	140054	269.083	ug/l	98
16) Acetone	3.936	43	107216	216.116	ug/l	91
17) Carbon Disulfide	4.179	76	273032	50.064	ug/l	99
18) Methyl Acetate	4.466	43	66754	52.290	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	258577	53.421	ug/l	97
20) Methylene Chloride	4.704	84	112736	46.697	ug/l #	84
21) trans-1,2-Dichloroethene	5.204	96	103728	50.363	ug/l	87
22) Diisopropyl ether	6.106	45	312730	52.691	ug/l	94
23) Vinyl Acetate	6.051	43	1034335	258.776	ug/l #	92
24) 1,1-Dichloroethane	6.002	63	174299	50.675	ug/l	99
25) 2-Butanone	6.978	43	166114	226.975	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	147247	45.032	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	113851	49.279	ug/l	84
28) Bromochloromethane	7.325	49	56707	45.734	ug/l #	69
29) Tetrahydrofuran	7.337	42	107570	232.101	ug/l #	83
30) Chloroform	7.496	83	173743	48.285	ug/l	99
31) Cyclohexane	7.776	56	137241	41.571	ug/l	89
32) 1,1,1-Trichloroethane	7.691	97	157412	48.737	ug/l	94
36) 1,1-Dichloropropene	7.910	75	132098	47.365	ug/l	94
37) Ethyl Acetate	7.063	43	74276	44.935	ug/l #	93
38) Carbon Tetrachloride	7.892	117	147064	49.211	ug/l	98
39) Methylcyclohexane	9.179	83	166174	48.100	ug/l	90
40) Benzene	8.154	78	388200	46.977	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	38761m	46.025	ug/l	91
42) 1,2-Dichloroethane	8.227	62	116572	50.598	ug/l	91
43) Isopropyl Acetate	8.264	43	146951	50.884	ug/l #	92
44) Trichloroethene	8.935	130	115342	48.657	ug/l	95
45) 1,2-Dichloropropane	9.209	63	96105	47.900	ug/l	98
46) Dibromomethane	9.300	93	59822	50.116	ug/l	93
47) Bromodichloromethane	9.489	83	133587	48.714	ug/l	99
48) Methyl methacrylate	9.288	41	62649	49.333	ug/l #	86
49) 1,4-Dioxane	9.294	88	16377	946.954	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	360077	245.092	ug/l	89
52) Toluene	10.239	92	249322	48.169	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	138980	49.075	ug/l	98
54) cis-1,3-Dichloropropene	9.922	75	153593	47.222	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	81308	48.174	ug/l	97
56) Ethyl methacrylate	10.508	69	109263	51.964	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	132003	48.090	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	258472	240.688	ug/l	90
59) 2-Hexanone	10.831	43	251012	239.739	ug/l	89
60) Dibromochloromethane	10.983	129	104989	51.430	ug/l	100
61) 1,2-Dibromoethane	11.087	107	84315	51.285	ug/l	100
64) Tetrachloroethene	10.715	164	112211	46.927	ug/l	97
65) Chlorobenzene	11.514	112	295715	48.592	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	113400	50.074	ug/l	97
67) Ethyl Benzene	11.587	91	518849	49.325	ug/l	96
68) m/p-Xylenes	11.696	106	414892	99.360	ug/l	91
69) o-Xylene	12.026	106	196724	50.378	ug/l	91
70) Styrene	12.044	104	334537	50.974	ug/l	94
71) Bromoform	12.209	173	75107	51.936	ug/l #	99
73) Isopropylbenzene	12.324	105	512355	48.113	ug/l	99
74) N-amyl acetate	12.141	43	146231	53.163	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.580	83	105274	50.259	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	76357m	51.316	ug/l	
77) Bromobenzene	12.605	156	129586	48.998	ug/l	90
78) n-propylbenzene	12.666	91	616573	48.721	ug/l	97
79) 2-Chlorotoluene	12.751	91	344934	48.160	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	431971	48.945	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	38157	51.115	ug/l #	84
82) 4-Chlorotoluene	12.855	91	359152	48.205	ug/l	96
83) tert-Butylbenzene	13.074	119	382020	48.166	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	432120	48.577	ug/l	98
85) sec-Butylbenzene	13.251	105	560903	48.167	ug/l	98
86) p-Isopropyltoluene	13.367	119	474439	48.170	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	255396	47.827	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	252630	46.979	ug/l	98
89) n-Butylbenzene	13.696	91	437751	48.512	ug/l	98
90) Hexachloroethane	13.958	117	89194	46.037	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	227046	47.608	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.354	75	17817	50.620	ug/l	71
93) 1,2,4-Trichlorobenzene	15.007	180	145221	48.246	ug/l	99
94) Hexachlorobutadiene	15.110	225	84962	46.620	ug/l	98
95) Naphthalene	15.232	128	311448	55.201	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	128803	48.925	ug/l	99

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

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