

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009502.D
 Acq On : 11 Jul 2022 12:09
 Operator : KP/MD
 Sample : VY0711SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0711SBS01

Quant Time: Jul 12 05:01:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	164609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	260765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	242575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129950	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.136	65	56890	48.923	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.840%
35) Dibromofluoromethane	7.716	113	60623	44.184	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.360%
50) Toluene-d8	10.173	98	178858	47.069	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	94.140%
62) 4-Bromofluorobenzene	12.477	95	94844	48.970	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	97.940%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.900	85	23136	18.328	ug/l	97
3) Chloromethane	2.107	50	23053	16.353	ug/l	90
4) Vinyl Chloride	2.241	62	30248	18.847	ug/l	99
5) Bromomethane	2.625	94	21142	18.336	ug/l	99
6) Chloroethane	2.784	64	18339	19.571	ug/l	92
7) Trichlorofluoromethane	3.119	101	44966	20.985	ug/l	97
8) Diethyl Ether	3.521	74	13889	16.942	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.887	101	26359	18.156	ug/l	92
10) Methyl Iodide	4.082	142	28938	17.761	ug/l	89
11) Tert butyl alcohol	4.948	59	16626	60.535	ug/l	98
12) 1,1-Dichloroethene	3.863	96	23286	17.292	ug/l #	75
13) Acrolein	3.716	56	5007	64.037	ug/l	100
14) Allyl chloride	4.472	41	31922	13.778	ug/l #	89
15) Acrylonitrile	5.155	53	34808	77.164	ug/l	98
16) Acetone	3.942	43	29719	74.217	ug/l	99
17) Carbon Disulfide	4.186	76	49173	14.438	ug/l	100
18) Methyl Acetate	4.472	43	19212	16.341	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	69783	17.122	ug/l	93
20) Methylene Chloride	4.710	84	34999	15.167	ug/l #	76
21) trans-1,2-Dichloroethene	5.210	96	25254	16.006	ug/l #	77
22) Diisopropyl ether	6.112	45	72519	14.723	ug/l #	93
23) Vinyl Acetate	6.051	43	231531	66.758	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	44775	16.119	ug/l	97
25) 2-Butanone	6.984	43	67277	103.858	ug/l	97
26) 2,2-Dichloropropane	6.978	77	55381	20.229	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	35619	19.175	ug/l	94
28) Bromochloromethane	7.332	49	23318	19.973	ug/l #	16
29) Tetrahydrofuran	7.344	42	42579	101.625	ug/l	94
30) Chloroform	7.502	83	59102	19.441	ug/l	99
31) Cyclohexane	7.783	56	47002	17.404	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	52797	19.699	ug/l	97
36) 1,1-Dichloropropene	7.911	75	42316	18.944	ug/l	96
37) Ethyl Acetate	7.069	43	28944	20.671	ug/l	95
38) Carbon Tetrachloride	7.899	117	46869	19.619	ug/l	93
39) Methylcyclohexane	9.179	83	46869	17.480	ug/l	95
40) Benzene	8.155	78	126552	19.293	ug/l	97

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41) Methacrylonitrile	7.313	41	14653m	20.153	ug/l		07/12/2022
42) 1,2-Dichloroethane	8.234	62	40410	20.520	ug/l	94	
43) Isopropyl Acetate	8.264	43	54249	20.765	ug/l	97	
44) Trichloroethene	8.935	130	36649	19.778	ug/l	96	
45) 1,2-Dichloropropane	9.209	63	33439	20.144	ug/l	99	
46) Dibromomethane	9.301	93	20092	20.622	ug/l	99	
47) Bromodichloromethane	9.496	83	46947	20.245	ug/l	95	
48) Methyl methacrylate	9.289	41	23385	20.775	ug/l	91	
49) 1,4-Dioxane	9.295	88	6155	428.978	ug/l	93	
51) 4-Methyl-2-Pentanone	10.063	43	148701	108.230	ug/l	95	
52) Toluene	10.240	92	84422	20.197	ug/l	95	
53) t-1,3-Dichloropropene	10.465	75	49036	20.066	ug/l	99	
54) cis-1,3-Dichloropropene	9.923	75	54344	19.943	ug/l #	85	
55) 1,1,2-Trichloroethane	10.642	97	28298	20.133	ug/l	96	
56) Ethyl methacrylate	10.508	69	38748	20.764	ug/l	88	
57) 1,3-Dichloropropane	10.788	76	48067	20.745	ug/l	99	
58) 2-Chloroethyl Vinyl ether	9.776	63	91952	100.870	ug/l	96	
59) 2-Hexanone	10.831	43	103129	108.324	ug/l	94	
60) Dibromochloromethane	10.977	129	35298	20.738	ug/l	99	
61) 1,2-Dibromoethane	11.087	107	27351	20.298	ug/l	98	
64) Tetrachloroethene	10.715	164	41378	20.402	ug/l	97	
65) Chlorobenzene	11.514	112	96227	20.198	ug/l	100	
66) 1,1,1,2-Tetrachloroethane	11.587	131	36397	20.310	ug/l	96	
67) Ethyl Benzene	11.587	91	164651	19.796	ug/l	98	
68) m/p-Xylenes	11.703	106	132285	40.781	ug/l	91	
69) o-Xylene	12.026	106	62340	20.050	ug/l	91	
70) Styrene	12.038	104	105034	20.225	ug/l	96	
71) Bromoform	12.203	173	23541	20.610	ug/l #	97	
73) Isopropylbenzene	12.325	105	169076	19.025	ug/l	99	
74) N-amyl acetate	12.142	43	51006	20.171	ug/l	93	
75) 1,1,2,2-Tetrachloroethane	12.581	83	33464	18.806	ug/l	99	
76) 1,2,3-Trichloropropane	12.629	75	26247m	19.080	ug/l		
77) Bromobenzene	12.605	156	41150	19.020	ug/l	96	
78) n-propylbenzene	12.666	91	205572	19.146	ug/l	97	
79) 2-Chlorotoluene	12.751	91	115089	19.146	ug/l	96	
80) 1,3,5-Trimethylbenzene	12.812	105	143074	19.260	ug/l	98	
81) trans-1,4-Dichloro-2-b...	12.379	75	12298	18.297	ug/l	93	
82) 4-Chlorotoluene	12.855	91	121828	19.339	ug/l	98	
83) tert-Butylbenzene	13.074	119	125940	19.056	ug/l	95	
84) 1,2,4-Trimethylbenzene	13.117	105	142535	19.277	ug/l	96	
85) sec-Butylbenzene	13.251	105	191313	19.656	ug/l	98	
86) p-Isopropyltoluene	13.367	119	158491	19.535	ug/l	97	
87) 1,3-Dichlorobenzene	13.361	146	84232	19.723	ug/l	99	
88) 1,4-Dichlorobenzene	13.446	146	85249	19.722	ug/l	99	
89) n-Butylbenzene	13.696	91	149053	19.674	ug/l	98	
90) Hexachloroethane	13.958	117	29855	18.754	ug/l	91	
91) 1,2-Dichlorobenzene	13.739	146	77411	19.784	ug/l	98	
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6042	19.372	ug/l	85	
93) 1,2,4-Trichlorobenzene	15.007	180	44680	18.722	ug/l	99	
94) Hexachlorobutadiene	15.111	225	25501	19.436	ug/l	98	
95) Naphthalene	15.233	128	89601	18.159	ug/l	99	
96) 1,2,3-Trichlorobenzene	15.422	180	38928	18.833	ug/l	99	

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

