

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070622\
 Data File : VY009448.D
 Acq On : 06 Jul 2022 12:56
 Operator : KP/MD
 Sample : VY0706SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jul 07 01:48:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	143047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	227886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	213189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	115994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	58261	50.850	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.700%			
35) Dibromofluoromethane	7.716	113	63696	50.785	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.560%			
50) Toluene-d8	10.173	98	191834	49.886	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 99.780%			
62) 4-Bromofluorobenzene	12.477	95	98814	54.181	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 108.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23032	19.557	ug/l	91
3) Chloromethane	2.107	50	24273	18.943	ug/l	95
4) Vinyl Chloride	2.241	62	30097	20.304	ug/l	97
5) Bromomethane	2.631	94	21049	22.129	ug/l	99
6) Chloroethane	2.778	64	18153	22.968	ug/l	94
7) Trichlorofluoromethane	3.113	101	43986	22.366	ug/l	98
8) Diethyl Ether	3.521	74	12772	16.622	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.887	101	28386	20.136	ug/l	95
10) Methyl Iodide	4.076	142	31095	20.095	ug/l	91
11) Tert butyl alcohol	4.924	59	29738	138.615	ug/l #	83
12) 1,1-Dichloroethene	3.863	96	25036	19.470	ug/l	84
13) Acrolein	3.716	56	6144	64.250	ug/l	96
14) Allyl chloride	4.466	41	44446	18.863	ug/l	97
15) Acrylonitrile	5.155	53	43308	99.491	ug/l	98
16) Acetone	3.942	43	35031	93.097	ug/l	96
17) Carbon Disulfide	4.180	76	59317	16.583	ug/l	99
18) Methyl Acetate	4.460	43	23048	21.025	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	80174	20.790	ug/l	99
20) Methylene Chloride	4.704	84	34592	15.113	ug/l	96
21) trans-1,2-Dichloroethene	5.204	96	29461	19.137	ug/l	94
22) Diisopropyl ether	6.112	45	105931	21.303	ug/l	95
23) Vinyl Acetate	6.051	43	323271	103.781	ug/l	95
24) 1,1-Dichloroethane	6.009	63	55159	19.730	ug/l	99
25) 2-Butanone	6.978	43	60333	101.136	ug/l	92
26) 2,2-Dichloropropane	6.972	77	54001	20.409	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	36104	20.186	ug/l	93
28) Bromochloromethane	7.326	49	22618	18.841	ug/l	91
29) Tetrahydrofuran	7.338	42	40480	105.840	ug/l	96
30) Chloroform	7.502	83	58187	20.251	ug/l	96
31) Cyclohexane	7.777	56	47516	18.438	ug/l	90
32) 1,1,1-Trichloroethane	7.691	97	52496	20.402	ug/l	98
36) 1,1-Dichloropropene	7.911	75	43075	19.642	ug/l	98
37) Ethyl Acetate	7.070	43	27451	21.108	ug/l	97
38) Carbon Tetrachloride	7.893	117	48038	20.957	ug/l	97
39) Methylcyclohexane	9.179	83	47737	18.392	ug/l	92
40) Benzene	8.155	78	129818	20.242	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14475m	19.701	ug/l	
42) 1,2-Dichloroethane	8.228	62	38831	21.108	ug/l	92
43) Isopropyl Acetate	8.271	43	50925	21.328	ug/l	96
44) Trichloroethene	8.935	130	37344	20.957	ug/l	99
45) 1,2-Dichloropropane	9.209	63	33507	20.626	ug/l	98
46) Dibromomethane	9.301	93	18576	19.960	ug/l	97
47) Bromodichloromethane	9.490	83	45910	20.831	ug/l	95
48) Methyl methacrylate	9.289	41	22008	21.381	ug/l	92
49) 1,4-Dioxane	9.289	88	5645	435.142	ug/l	88
51) 4-Methyl-2-Pentanone	10.063	43	138874	112.804	ug/l	97
52) Toluene	10.240	92	85156	21.046	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	47955	21.752	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	53520	20.332	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	28543	23.052	ug/l	99
56) Ethyl methacrylate	10.508	69	35573	22.508	ug/l	90
57) 1,3-Dichloropropane	10.788	76	46650	21.268	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	86747	99.134	ug/l	96
59) 2-Hexanone	10.825	43	94891	111.579	ug/l	95
60) Dibromochloromethane	10.977	129	33788	21.563	ug/l	97
61) 1,2-Dibromoethane	11.081	107	27022	21.738	ug/l	98
64) Tetrachloroethene	10.715	164	41976	21.149	ug/l	96
65) Chlorobenzene	11.514	112	93840	20.572	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	35546	21.244	ug/l	97
67) Ethyl Benzene	11.587	91	164492	20.787	ug/l	99
68) m/p-Xylenes	11.697	106	131068	41.421	ug/l	94
69) o-Xylene	12.026	106	60781	20.354	ug/l	95
70) Styrene	12.038	104	105358	21.295	ug/l	96
71) Bromoform	12.203	173	21951	20.879	ug/l #	99
73) Isopropylbenzene	12.325	105	165489	19.316	ug/l	98
74) N-amyl acetate	12.136	43	48431	21.550	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	32771	19.746	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	27689m	20.384	ug/l	
77) Bromobenzene	12.605	156	39736	19.456	ug/l	97
78) n-propylbenzene	12.666	91	205961	19.762	ug/l	99
79) 2-Chlorotoluene	12.751	91	116717	19.841	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	141594	19.763	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	11552	18.934	ug/l	89
82) 4-Chlorotoluene	12.849	91	122826	20.092	ug/l	98
83) tert-Butylbenzene	13.068	119	126575	21.027	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	141433	20.773	ug/l	96
85) sec-Butylbenzene	13.245	105	188362	20.776	ug/l	98
86) p-Isopropyltoluene	13.367	119	155872	20.445	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	80778	20.020	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	83900	20.207	ug/l	98
89) n-Butylbenzene	13.690	91	147465	20.585	ug/l	98
90) Hexachloroethane	13.959	117	30012	19.854	ug/l	90
91) 1,2-Dichlorobenzene	13.733	146	75054	20.509	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	5475	19.684	ug/l	85
93) 1,2,4-Trichlorobenzene	15.001	180	44545	20.506	ug/l	99
94) Hexachlorobutadiene	15.105	225	25482	20.896	ug/l	98
95) Naphthalene	15.233	128	87312	20.075	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	39190	20.765	ug/l	98

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

