

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009529.D
 Acq On : 12 Jul 2022 13:54
 Operator : KP/MD
 Sample : VY0712SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0712SBS01

Quant Time: Jul 13 01:14:31 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 07/13/2022
 Supervised By :Mahesh Dadoda 07/13/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	156810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	246705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	231542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	53181	47.869	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.740%		
35) Dibromofluoromethane	7.710	113	58383	44.976	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.960%		
50) Toluene-d8	10.173	98	167610	46.531	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	93.060%		
62) 4-Bromofluorobenzene	12.477	95	90653	49.473	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	98.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23515	19.555	ug/l	98
3) Chloromethane	2.107	50	23588	17.565	ug/l	98
4) Vinyl Chloride	2.241	62	29877	19.541	ug/l	97
5) Bromomethane	2.619	94	22788	20.746	ug/l	99
6) Chloroethane	2.778	64	18716	20.967	ug/l	98
7) Trichlorofluoromethane	3.107	101	44858	21.975	ug/l	92
8) Diethyl Ether	3.515	74	15273	19.557	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.887	101	27416	19.823	ug/l	94
10) Methyl Iodide	4.076	142	26933	17.448	ug/l	92
11) Tert butyl alcohol	4.954	59	16216	62.583	ug/l #	95
12) 1,1-Dichloroethene	3.857	96	23941	18.663	ug/l	86
13) Acrolein	3.716	56	5474	69.027	ug/l	92
14) Allyl chloride	4.460	41	41565	18.832	ug/l	95
15) Acrylonitrile	5.149	53	40627	94.543	ug/l	100
16) Acetone	3.942	43	34148	89.518	ug/l	96
17) Carbon Disulfide	4.180	76	53729	15.911	ug/l	99
18) Methyl Acetate	4.466	43	22616	20.193	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	78123	20.121	ug/l	97
20) Methylene Chloride	4.698	84	39900	19.178	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	27909	18.568	ug/l	85
22) Diisopropyl ether	6.106	45	98914	21.080	ug/l	98
23) Vinyl Acetate	6.045	43	301131	91.579	ug/l	95
24) 1,1-Dichloroethane	6.009	63	52787	19.949	ug/l	99
25) 2-Butanone	6.978	43	58901	95.450	ug/l	96
26) 2,2-Dichloropropane	6.972	77	53764	20.615	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	34481	19.486	ug/l	93
28) Bromochloromethane	7.326	49	20242	18.201	ug/l #	84
29) Tetrahydrofuran	7.344	42	37710	94.481	ug/l	93
30) Chloroform	7.502	83	57699	19.924	ug/l	97
31) Cyclohexane	7.777	56	43502	16.909	ug/l #	92
32) 1,1,1-Trichloroethane	7.691	97	52454	20.544	ug/l	97
36) 1,1-Dichloropropene	7.911	75	40163	19.005	ug/l	97
37) Ethyl Acetate	7.070	43	25939	19.581	ug/l	96
38) Carbon Tetrachloride	7.893	117	46646	20.638	ug/l	95
39) Methylcyclohexane	9.179	83	46709	18.413	ug/l	92
40) Benzene	8.149	78	118864	19.154	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	15913m	23.134	ug/l	
42) 1,2-Dichloroethane	8.234	62	37637	20.201	ug/l	93
43) Isopropyl Acetate	8.271	43	49211	19.910	ug/l #	93
44) Trichloroethene	8.935	130	34049	19.422	ug/l	100
45) 1,2-Dichloropropane	9.209	63	31681	20.173	ug/l	95
46) Dibromomethane	9.295	93	18606	20.185	ug/l	99
47) Bromodichloromethane	9.490	83	45383	20.686	ug/l	100
48) Methyl methacrylate	9.289	41	21142	19.853	ug/l	91
49) 1,4-Dioxane	9.289	88	5409	398.469	ug/l	92
51) 4-Methyl-2-Pentanone	10.063	43	132533	101.960	ug/l	96
52) Toluene	10.240	92	79926	20.211	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	46735	20.214	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	51067	19.809	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	26626	20.023	ug/l	95
56) Ethyl methacrylate	10.508	69	35617	20.174	ug/l	90
57) 1,3-Dichloropropane	10.788	76	45008	20.532	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	82125	95.225	ug/l	95
59) 2-Hexanone	10.825	43	91501	101.588	ug/l	95
60) Dibromochloromethane	10.977	129	34143	21.203	ug/l	95
61) 1,2-Dibromoethane	11.081	107	25489	19.994	ug/l	99
64) Tetrachloroethene	10.715	164	33497	17.303	ug/l	97
65) Chlorobenzene	11.514	112	91344	20.087	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	34073	19.919	ug/l	96
67) Ethyl Benzene	11.587	91	158468	19.961	ug/l	97
68) m/p-Xylenes	11.703	106	125536	40.545	ug/l	94
69) o-Xylene	12.026	106	60896	20.519	ug/l	91
70) Styrene	12.038	104	103486	20.877	ug/l	95
71) Bromoform	12.203	173	21747	19.947	ug/l #	100
73) Isopropylbenzene	12.325	105	163932	19.810	ug/l	99
74) N-amyl acetate	12.142	43	46673	19.823	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	32440	19.578	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	23680m	18.487	ug/l	
77) Bromobenzene	12.605	156	39575	19.644	ug/l	94
78) n-propylbenzene	12.666	91	202466	20.251	ug/l	97
79) 2-Chlorotoluene	12.751	91	111909	19.994	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	141020	20.387	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	11355	18.143	ug/l	90
82) 4-Chlorotoluene	12.855	91	119034	20.293	ug/l	98
83) tert-Butylbenzene	13.075	119	126085	20.489	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	142347	20.675	ug/l	99
85) sec-Butylbenzene	13.251	105	189811	20.943	ug/l	99
86) p-Isopropyltoluene	13.367	119	158627	20.997	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	81843	20.581	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	81300	20.200	ug/l	99
89) n-Butylbenzene	13.696	91	147671	20.933	ug/l	98
90) Hexachloroethane	13.959	117	30535	20.600	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	73726	20.235	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5952	20.494	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	43570	19.607	ug/l	99
94) Hexachlorobutadiene	15.111	225	25232	20.653	ug/l	97
95) Naphthalene	15.239	128	81631	17.767	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	36313	18.867	ug/l	98

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

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