

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111224\
 Data File : VY020265.D
 Acq On : 12 Nov 2024 13:47
 Operator : SY/MD
 Sample : VY1112SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/13/2024
 Supervised By :Semsettin Yesilyurt 11/13/2024

Quant Time: Nov 13 02:15:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	203726	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	373249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	322676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147547	58.029	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	116.060%	
35) Dibromofluoromethane	7.634	113	135336	57.029	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	114.060%	
50) Toluene-d8	10.109	98	526795	55.769	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	111.540%	
62) 4-Bromofluorobenzene	12.407	95	169897	55.374	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	110.740%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	34417	18.250	ug/l	99
3) Chloromethane	2.074	50	62843	20.118	ug/l	99
4) Vinyl Chloride	2.208	62	78527	23.417	ug/l	96
5) Bromomethane	2.598	94	52442	23.554	ug/l	92
6) Chloroethane	2.738	64	50836	23.489	ug/l	100
7) Trichlorofluoromethane	3.055	101	96266	23.499	ug/l	95
8) Diethyl Ether	3.458	74	25156	22.017	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.818	101	48231	20.991	ug/l	90
10) Methyl Iodide	4.007	142	46325	20.882	ug/l	# 90
11) Tert butyl alcohol	4.872	59	19212m	105.045	ug/l	
12) 1,1-Dichloroethene	3.793	96	44649	20.309	ug/l	# 79
13) Acrolein	3.653	56	17154	75.345	ug/l	96
14) Allyl chloride	4.391	41	80560	20.310	ug/l	# 89
15) Acrylonitrile	5.061	53	56993	109.580	ug/l	97
16) Acetone	3.872	43	54485	92.144	ug/l	# 79
17) Carbon Disulfide	4.110	76	129172	17.656	ug/l	99
18) Methyl Acetate	4.391	43	30074	21.677	ug/l	94
19) Methyl tert-butyl Ether	5.122	73	127435	23.041	ug/l	96
20) Methylene Chloride	4.622	84	52691	19.837	ug/l	# 79
21) trans-1,2-Dichloroethene	5.122	96	50873	20.518	ug/l	86
22) Diisopropyl ether	6.024	45	181564	22.058	ug/l	# 90
23) Vinyl Acetate	5.963	43	479877	103.596	ug/l	# 90
24) 1,1-Dichloroethane	5.915	63	104328	21.889	ug/l	98
25) 2-Butanone	6.896	43	80127	99.967	ug/l	# 83
26) 2,2-Dichloropropane	6.884	77	75918	19.144	ug/l	96
27) cis-1,2-Dichloroethene	6.896	96	60630	21.273	ug/l	84
28) Bromochloromethane	7.250	49	47868	21.449	ug/l	# 72
29) Tetrahydrofuran	7.268	42	51415	111.151	ug/l	# 83
30) Chloroform	7.421	83	105151	22.233	ug/l	96
31) Cyclohexane	7.701	56	86582	18.764	ug/l	90
32) 1,1,1-Trichloroethane	7.622	97	92253	22.342	ug/l	95
36) 1,1-Dichloropropene	7.835	75	73858	20.147	ug/l	93
37) Ethyl Acetate	6.988	43	34236	19.588	ug/l	98
38) Carbon Tetrachloride	7.823	117	73823	20.026	ug/l	96
39) Methylcyclohexane	9.109	83	87217	18.746	ug/l	# 87
40) Benzene	8.079	78	223636	20.900	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	22289	25.458	ug/l #	73
42) 1,2-Dichloroethane	8.158	62	62795	21.202	ug/l	95
43) Isopropyl Acetate	8.201	43	69400	20.649	ug/l #	76
44) Trichloroethene	8.865	130	50165	20.228	ug/l	88
45) 1,2-Dichloropropane	9.146	63	55890	21.832	ug/l	98
46) Dibromomethane	9.231	93	29571	21.318	ug/l	88
47) Bromodichloromethane	9.426	83	78607	21.631	ug/l	98
48) Methyl methacrylate	9.225	41	31561	20.273	ug/l	85
49) 1,4-Dioxane	9.237	88	6236	436.655	ug/l #	93
51) 4-Methyl-2-Pentanone	9.999	43	183342	105.869	ug/l	89
52) Toluene	10.170	92	142036	21.534	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	65505	20.413	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	80719	21.075	ug/l #	86
55) 1,1,2-Trichloroethane	10.572	97	37222	21.582	ug/l	95
56) Ethyl methacrylate	10.438	69	53231	21.516	ug/l #	78
57) 1,3-Dichloropropane	10.719	76	69597	22.035	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	130039	106.580	ug/l	93
59) 2-Hexanone	10.761	43	122189	98.416	ug/l	89
60) Dibromochloromethane	10.914	129	46989	21.373	ug/l	99
61) 1,2-Dibromoethane	11.011	107	34391	21.463	ug/l	100
64) Tetrachloroethene	10.646	164	50042	23.488	ug/l	91
65) Chlorobenzene	11.444	112	145367	21.143	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	49405	22.491	ug/l	98
67) Ethyl Benzene	11.517	91	263599	20.510	ug/l	99
68) m/p-Xylenes	11.627	106	196814	41.855	ug/l	91
69) o-Xylene	11.956	106	94588	21.246	ug/l	94
70) Styrene	11.968	104	157854	21.445	ug/l	95
71) Bromoform	12.133	173	24458	21.703	ug/l #	98
73) Isopropylbenzene	12.255	105	250695	21.172	ug/l	97
74) N-ethyl acetate	12.072	43	60727	20.517	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	45264	21.858	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	38692m	27.847	ug/l	
77) Bromobenzene	12.529	156	50258	20.987	ug/l	80
78) n-propylbenzene	12.596	91	307058	20.836	ug/l	97
79) 2-Chlorotoluene	12.682	91	173915	21.261	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	201799	21.228	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	12807	19.826	ug/l #	83
82) 4-Chlorotoluene	12.779	91	179637	21.538	ug/l	94
83) tert-Butylbenzene	12.999	119	174670	21.013	ug/l	93
84) 1,2,4-Trimethylbenzene	13.041	105	198958	21.131	ug/l	96
85) sec-Butylbenzene	13.176	105	270361	21.186	ug/l	96
86) p-Isopropyltoluene	13.291	119	214805	20.976	ug/l	95
87) 1,3-Dichlorobenzene	13.291	146	103476	21.270	ug/l	96
88) 1,4-Dichlorobenzene	13.371	146	102753	21.210	ug/l	95
89) n-Butylbenzene	13.621	91	209349	20.394	ug/l	98
90) Hexachloroethane	13.883	117	42975	21.220	ug/l	82
91) 1,2-Dichlorobenzene	13.663	146	90017	21.288	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6743	21.471	ug/l	66
93) 1,2,4-Trichlorobenzene	14.925	180	45398	19.985	ug/l	97
94) Hexachlorobutadiene	15.029	225	25128	20.230	ug/l	99
95) Naphthalene	15.145	128	81869	19.280	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	37670	19.536	ug/l	97

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

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