

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011323\
 Data File : VY012184.D
 Acq On : 13 Jan 2023 11:13
 Operator : KP/MD
 Sample : VY0113SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/16/2023
 Supervised By :Mahesh Dadoda 01/16/2023

Quant Time: Jan 16 08:16:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	165562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	249955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	232716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	88513	47.579	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.160%		
35) Dibromofluoromethane	7.716	113	80320	48.889	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.780%		
50) Toluene-d8	10.179	98	296563	45.733	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.460%		
62) 4-Bromofluorobenzene	12.477	95	112713	49.727	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	32634	22.709	ug/l	97
3) Chloromethane	2.113	50	29818	23.055	ug/l	99
4) Vinyl Chloride	2.247	62	34985	21.742	ug/l	98
5) Bromomethane	2.637	94	27147	23.552	ug/l	98
6) Chloroethane	2.790	64	23576	22.115	ug/l	98
7) Trichlorofluoromethane	3.119	101	69915	21.810	ug/l	99
8) Diethyl Ether	3.527	74	21513	21.919	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	35985	21.803	ug/l	96
10) Methyl Iodide	4.088	142	45522	20.345	ug/l	95
11) Tert butyl alcohol	4.942	59	30100	121.537	ug/l	95
12) 1,1-Dichloroethene	3.869	96	35710	22.069	ug/l	97
13) Acrolein	3.723	56	13325	120.925	ug/l	97
14) Allyl chloride	4.472	41	47131	21.607	ug/l	92
15) Acrylonitrile	5.155	53	52897	114.714	ug/l	100
16) Acetone	3.948	43	42968	98.184	ug/l	99
17) Carbon Disulfide	4.192	76	101553	23.528	ug/l	99
18) Methyl Acetate	4.472	43	28562	22.689	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	105033	22.053	ug/l	95
20) Methylene Chloride	4.710	84	49880	23.868	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	39359	21.982	ug/l	95
22) Diisopropyl ether	6.118	45	99625	22.202	ug/l	95
23) Vinyl Acetate	6.057	43	302471	111.392	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	64610	21.646	ug/l	97
25) 2-Butanone	6.984	43	63002	109.116	ug/l	93
26) 2,2-Dichloropropane	6.978	77	66992	20.805	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	44711	21.863	ug/l	95
28) Bromochloromethane	7.326	49	16136	21.384	ug/l #	82
29) Tetrahydrofuran	7.338	42	39480	117.142	ug/l	89
30) Chloroform	7.502	83	75322	22.138	ug/l	97
31) Cyclohexane	7.777	56	56505	22.090	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	71465	21.626	ug/l	98
36) 1,1-Dichloropropene	7.917	75	53847	21.603	ug/l	99
37) Ethyl Acetate	7.069	43	28455	21.321	ug/l #	93
38) Carbon Tetrachloride	7.899	117	68196	21.556	ug/l	98
39) Methylcyclohexane	9.179	83	64757	21.748	ug/l	96
40) Benzene	8.161	78	158691	21.848	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	17536m	24.159	ug/l	
42) 1,2-Dichloroethane	8.234	62	50452	21.940	ug/l	100
43) Isopropyl Acetate	8.271	43	50470	22.566	ug/l	96
44) Trichloroethene	8.941	130	46023	21.701	ug/l	95
45) 1,2-Dichloropropane	9.209	63	34853	21.536	ug/l	100
46) Dibromomethane	9.301	93	22484	22.070	ug/l	95
47) Bromodichloromethane	9.496	83	57054	22.025	ug/l	100
48) Methyl methacrylate	9.295	41	22325	22.284	ug/l	94
49) 1,4-Dioxane	9.295	88	6498	460.600	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	137083	115.186	ug/l	97
52) Toluene	10.240	92	105857	22.018	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	59192	21.965	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	63393	21.744	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	33831	22.992	ug/l	96
56) Ethyl methacrylate	10.508	69	43382	22.506	ug/l	94
57) 1,3-Dichloropropane	10.788	76	55415	22.820	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	78980	112.022	ug/l	91
59) 2-Hexanone	10.831	43	94786	113.426	ug/l	95
60) Dibromochloromethane	10.983	129	43688	22.518	ug/l	98
61) 1,2-Dibromoethane	11.087	107	31649	22.473	ug/l	100
64) Tetrachloroethene	10.721	164	51230	22.472	ug/l	96
65) Chlorobenzene	11.514	112	112594	21.185	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	43704	21.299	ug/l	98
67) Ethyl Benzene	11.593	91	202481	21.314	ug/l	100
68) m/p-Xylenes	11.703	106	160773	43.149	ug/l	99
69) o-Xylene	12.026	106	75960	21.411	ug/l	99
70) Styrene	12.044	104	130023	21.576	ug/l	99
71) Bromoform	12.209	173	28543	21.892	ug/l #	98
73) Isopropylbenzene	12.331	105	208336	20.632	ug/l	100
74) N-amyl acetate	12.142	43	43756	20.989	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	35236	20.744	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	28768m	19.743	ug/l	
77) Bromobenzene	12.611	156	49944	20.738	ug/l	95
78) n-propylbenzene	12.672	91	240922	20.438	ug/l	98
79) 2-Chlorotoluene	12.758	91	138010	20.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	179125	20.682	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	14031	21.385	ug/l	96
82) 4-Chlorotoluene	12.855	91	143376	20.329	ug/l	98
83) tert-Butylbenzene	13.075	119	156094	20.570	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	177171	20.666	ug/l	99
85) sec-Butylbenzene	13.251	105	223530	20.494	ug/l	97
86) p-Isopropyltoluene	13.367	119	192804	20.404	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	98122	20.325	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	98695	20.465	ug/l	99
89) n-Butylbenzene	13.696	91	166577	20.342	ug/l	98
90) Hexachloroethane	13.959	117	35977	20.522	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	88218	20.512	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6906	20.456	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	53520	19.960	ug/l	100
94) Hexachlorobutadiene	15.111	225	34178	21.125	ug/l	98
95) Naphthalene	15.233	128	106637	20.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	47177	20.236	ug/l	98

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

