

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072723\
 Data File : VY014871.D
 Acq On : 27 Jul 2023 10:45
 Operator : SY/MD
 Sample : VY0727SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0727SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/28/2023

Quant Time: Jul 28 02:36:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	203333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	346781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	310358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116752	50.388	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.780%			
35) Dibromofluoromethane	7.710	113	106456	48.224	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.440%			
50) Toluene-d8	10.173	98	377200	46.347	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.700%			
62) 4-Bromofluorobenzene	12.477	95	142244	45.581	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	31840	19.220	ug/l	100
3) Chloromethane	2.107	50	42025	22.568	ug/l	95
4) Vinyl Chloride	2.247	62	48393	23.253	ug/l	98
5) Bromomethane	2.619	94	36006	26.180	ug/l	99
6) Chloroethane	2.778	64	31388	24.145	ug/l	100
7) Trichlorofluoromethane	3.113	101	68523	19.604	ug/l	95
8) Diethyl Ether	3.521	74	25050	19.262	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	39381	18.382	ug/l	96
10) Methyl Iodide	4.076	142	35376	17.208	ug/l	97
11) Tert butyl alcohol	4.936	59	65337	126.013	ug/l #	92
12) 1,1-Dichloroethene	3.857	96	36361	18.160	ug/l	88
13) Acrolein	3.723	56	22130	91.379	ug/l	97
14) Allyl chloride	4.466	41	59455	16.723	ug/l	97
15) Acrylonitrile	5.149	53	74825	104.338	ug/l	98
16) Acetone	3.942	43	76118	103.668	ug/l	91
17) Carbon Disulfide	4.180	76	97238	16.962	ug/l	95
18) Methyl Acetate	4.466	43	60711	21.546	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	126876	19.507	ug/l	96
20) Methylene Chloride	4.710	84	58333	22.099	ug/l	87
21) trans-1,2-Dichloroethene	5.204	96	42105	18.530	ug/l	92
22) Diisopropyl ether	6.112	45	131488	18.191	ug/l	92
23) Vinyl Acetate	6.051	43	399840	92.438	ug/l	96
24) 1,1-Dichloroethane	6.009	63	76107	18.402	ug/l	95
25) 2-Butanone	6.978	43	111227	103.544	ug/l	94
26) 2,2-Dichloropropane	6.972	77	70908	17.989	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	50634	19.144	ug/l	96
28) Bromochloromethane	7.326	49	36992	20.768	ug/l	96
29) Tetrahydrofuran	7.338	42	69424	104.958	ug/l	90
30) Chloroform	7.496	83	82269	19.290	ug/l	98
31) Cyclohexane	7.777	56	65759	17.097	ug/l	91
32) 1,1,1-Trichloroethane	7.691	97	71538	18.637	ug/l	99
36) 1,1-Dichloropropene	7.911	75	57801	17.509	ug/l	99
37) Ethyl Acetate	7.069	43	44755	19.691	ug/l #	94
38) Carbon Tetrachloride	7.893	117	61693	17.678	ug/l	99
39) Methylcyclohexane	9.179	83	71433	16.609	ug/l	95
40) Benzene	8.155	78	170594	18.170	ug/l	99

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41) Methacrylonitrile	7.313	41	26379m	22.564	ug/l	
42) 1,2-Dichloroethane	8.228	62	58110	19.544	ug/l	95
43) Isopropyl Acetate	8.270	43	82090	18.960	ug/l	96
44) Trichloroethene	8.935	130	48168	18.336	ug/l	99
45) 1,2-Dichloropropane	9.209	63	44082	17.980	ug/l	96
46) Dibromomethane	9.301	93	28670	19.276	ug/l	96
47) Bromodichloromethane	9.490	83	63718	18.177	ug/l	96
48) Methyl methacrylate	9.289	41	36386	18.676	ug/l	92
49) 1,4-Dioxane	9.295	88	10029	413.533	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	229041	100.753	ug/l	93
52) Toluene	10.240	92	109476	18.222	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	67486	17.600	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	74144	17.781	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	40200	19.404	ug/l	97
56) Ethyl methacrylate	10.508	69	58797	18.587	ug/l	90
57) 1,3-Dichloropropane	10.788	76	67871	18.993	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	151652	102.892	ug/l	94
59) 2-Hexanone	10.825	43	168875	101.866	ug/l	91
60) Dibromochloromethane	10.977	129	46946	18.482	ug/l	96
61) 1,2-Dibromoethane	11.087	107	39930	19.320	ug/l	100
64) Tetrachloroethene	10.715	164	47347	18.968	ug/l	97
65) Chlorobenzene	11.514	112	120829	18.270	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	45216	18.133	ug/l	98
67) Ethyl Benzene	11.587	91	211442	17.707	ug/l	99
68) m/p-Xylenes	11.697	106	162835	35.724	ug/l	96
69) o-Xylene	12.026	106	79842	17.984	ug/l	98
70) Styrene	12.038	104	135686	18.133	ug/l	98
71) Bromoform	12.203	173	31586	18.687	ug/l #	99
73) Isopropylbenzene	12.325	105	208662	16.826	ug/l	100
74) N-amyl acetate	12.142	43	71905	17.312	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	50768	17.952	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	35803m	17.899	ug/l	
77) Bromobenzene	12.605	156	51220	18.094	ug/l	98
78) n-propylbenzene	12.666	91	251955	16.860	ug/l	100
79) 2-Chlorotoluene	12.751	91	142795	16.590	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	174069	16.807	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	16448	15.921	ug/l	98
82) 4-Chlorotoluene	12.849	91	147922	16.687	ug/l	99
83) tert-Butylbenzene	13.068	119	157161	17.106	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	176748	17.389	ug/l	99
85) sec-Butylbenzene	13.251	105	230481	17.102	ug/l	99
86) p-Isopropyltoluene	13.367	119	189930	17.261	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	98143	17.813	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	100588	18.219	ug/l	98
89) n-Butylbenzene	13.690	91	181081	16.915	ug/l	97
90) Hexachloroethane	13.958	117	35700	15.795	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	91608	18.148	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	10003	18.495	ug/l	96
93) 1,2,4-Trichlorobenzene	15.001	180	59050	18.428	ug/l	98
94) Hexachlorobutadiene	15.105	225	31204	17.721	ug/l	96
95) Naphthalene	15.233	128	140449	18.814	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	52578	18.463	ug/l	98

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

