

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081123\
 Data File : VY015058.D
 Acq On : 11 Aug 2023 15:43
 Operator : SY/MD
 Sample : VY0811SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0811SBS03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2023
 Supervised By : Mahesh Dadoda 08/15/2023

Quant Time: Aug 12 04:42:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	262813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	429519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	393078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	202200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	170508	53.528	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.060%			
35) Dibromofluoromethane	7.710	113	148556	54.086	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.180%			
50) Toluene-d8	10.173	98	557657	53.341	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.680%			
62) 4-Bromofluorobenzene	12.477	95	201584	54.405	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	30359	18.696	ug/l	92
3) Chloromethane	2.107	50	37904	18.326	ug/l	97
4) Vinyl Chloride	2.241	62	46227	18.138	ug/l	100
5) Bromomethane	2.619	94	34265	18.297	ug/l	97
6) Chloroethane	2.772	64	33553	19.068	ug/l	98
7) Trichlorofluoromethane	3.107	101	75829	18.828	ug/l	93
8) Diethyl Ether	3.521	74	29043	19.542	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	45898	19.251	ug/l	97
10) Methyl Iodide	4.076	142	39858	16.170	ug/l	98
11) Tert butyl alcohol	4.942	59	89399	116.289	ug/l #	91
12) 1,1-Dichloroethene	3.857	96	38401	18.486	ug/l	88
13) Acrolein	3.723	56	39990	152.911	ug/l	99
14) Allyl chloride	4.466	41	63867	18.462	ug/l	95
15) Acrylonitrile	5.149	53	97629	107.529	ug/l	98
16) Acetone	3.936	43	114274	115.045	ug/l	92
17) Carbon Disulfide	4.180	76	64463	14.035	ug/l	99
18) Methyl Acetate	4.466	43	76865	21.249	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	160933	20.477	ug/l	99
21) trans-1,2-Dichloroethene	5.210	96	42200	17.822	ug/l	89
22) Diisopropyl ether	6.112	45	159426	19.786	ug/l	89
23) Vinyl Acetate	6.045	43	485660	100.266	ug/l	95
24) 1,1-Dichloroethane	6.003	63	88707	19.409	ug/l	97
25) 2-Butanone	6.972	43	159112	111.838	ug/l	95
26) 2,2-Dichloropropane	6.972	77	88574	19.153	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	58205	19.424	ug/l	97
28) Bromochloromethane	7.320	49	44161	21.434	ug/l	90
29) Tetrahydrofuran	7.338	42	88528	106.111	ug/l	90
30) Chloroform	7.496	83	102559	20.657	ug/l	97
31) Cyclohexane	7.771	56	62328	16.567	ug/l #	89
32) 1,1,1-Trichloroethane	7.691	97	86284	19.720	ug/l	98
36) 1,1-Dichloropropene	7.911	75	60930	17.868	ug/l	98
37) Ethyl Acetate	7.064	43	59563	22.005	ug/l #	96
38) Carbon Tetrachloride	7.893	117	73873	19.270	ug/l	100
39) Methylcyclohexane	9.173	83	70288	17.332	ug/l	91
40) Benzene	8.155	78	191747	19.096	ug/l	98
41) Methacrylonitrile	7.295	41	26210m	19.925	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.228	62	70797	20.255	ug/l	95
43) Isopropyl Acetate	8.265	43	104059	20.692	ug/l	97
44) Trichloroethene	8.935	130	57107	19.820	ug/l	95
45) 1,2-Dichloropropane	9.209	63	52853	19.805	ug/l	100
46) Dibromomethane	9.301	93	34628	20.143	ug/l	98
47) Bromodichloromethane	9.490	83	80813	20.413	ug/l	95
48) Methyl methacrylate	9.289	41	45394	20.573	ug/l	94
49) 1,4-Dioxane	9.295	88	14511	453.800	ug/l #	53
51) 4-Methyl-2-Pentanone	10.063	43	309739	109.294	ug/l	94
52) Toluene	10.240	92	127189	19.683	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	85006	20.619	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	88902	19.959	ug/l	95
55) 1,1,2-Trichloroethane	10.636	97	51734	20.705	ug/l	95
56) Ethyl methacrylate	10.502	69	74519	20.829	ug/l	90
57) 1,3-Dichloropropane	10.782	76	85284	20.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	176953	104.603	ug/l	92
59) 2-Hexanone	10.825	43	236175	112.812	ug/l	93
60) Dibromochloromethane	10.977	129	62832	21.120	ug/l	99
61) 1,2-Dibromoethane	11.081	107	49840	20.898	ug/l	100
64) Tetrachloroethene	10.715	164	61243	20.713	ug/l	98
65) Chlorobenzene	11.508	112	149389	20.029	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	59453	20.342	ug/l	99
67) Ethyl Benzene	11.587	91	259121	19.796	ug/l	100
68) m/p-Xylenes	11.697	106	198426	39.626	ug/l	96
69) o-Xylene	12.026	106	98337	20.069	ug/l	97
70) Styrene	12.038	104	171071	20.429	ug/l	96
71) Bromoform	12.203	173	43442	21.564	ug/l #	97
73) Isopropylbenzene	12.325	105	265896	19.562	ug/l	99
74) N-amyl acetate	12.142	43	94478	20.344	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.575	83	68230	20.541	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	47438m	19.580	ug/l	
77) Bromobenzene	12.605	156	64985	19.711	ug/l	97
78) n-propylbenzene	12.666	91	316497	19.468	ug/l	99
79) 2-Chlorotoluene	12.752	91	182501	19.697	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	222730	19.885	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.374	75	22870	20.795	ug/l	94
82) 4-Chlorotoluene	12.849	91	187208	19.545	ug/l	98
83) tert-Butylbenzene	13.069	119	207304	20.231	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	225403	20.085	ug/l	97
85) sec-Butylbenzene	13.251	105	295817	19.671	ug/l	100
86) p-Isopropyltoluene	13.367	119	245192	19.697	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	131759	20.417	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	133238	20.703	ug/l	98
89) n-Butylbenzene	13.690	91	233044	19.925	ug/l	96
90) Hexachloroethane	13.959	117	46645	19.296	ug/l	93
91) 1,2-Dichlorobenzene	13.733	146	125031	20.993	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	13772	21.235	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	80207	21.045	ug/l	98
94) Hexachlorobutadiene	15.111	225	42704	20.663	ug/l	99
95) Naphthalene	15.233	128	197571	22.031	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	71269	20.659	ug/l	99

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

