

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013707.D
 Acq On : 11 May 2023 11:05
 Operator : KP/MD
 Sample : VY0511SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2023
 Supervised By : Mahesh Dadoda 05/17/2023

Quant Time: May 12 04:39:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	223306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	329755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	302375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124388	50.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.620%			
35) Dibromofluoromethane	7.716	113	112061	54.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.060%			
50) Toluene-d8	10.179	98	375347	50.873	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.483	95	138925	55.853	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	50552	23.812	ug/l	97
3) Chloromethane	2.113	50	61064	21.459	ug/l	99
4) Vinyl Chloride	2.253	62	62142	21.932	ug/l	99
5) Bromomethane	2.650	94	49245	21.810	ug/l	100
6) Chloroethane	2.790	64	39301	20.078	ug/l	95
7) Trichlorofluoromethane	3.125	101	104155	24.266	ug/l	99
8) Diethyl Ether	3.528	74	32156	22.000	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	56519	23.475	ug/l	98
10) Methyl Iodide	4.088	142	58632	19.389	ug/l	96
11) Tert butyl alcohol	4.930	59	50507	183.356	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	51271	22.092	ug/l	95
13) Acrolein	3.729	56	19606	85.852	ug/l	96
14) Allyl chloride	4.479	41	89306	20.739	ug/l	97
15) Acrylonitrile	5.161	53	87485	106.873	ug/l	98
16) Acetone	3.948	43	95239	98.794	ug/l	96
17) Carbon Disulfide	4.192	76	150865	20.012	ug/l	100
18) Methyl Acetate	4.479	43	68136	21.400	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	140999	21.044	ug/l	99
20) Methylene Chloride	4.710	84	77533	20.977	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	56824	22.394	ug/l	97
22) Diisopropyl ether	6.119	45	184936	21.972	ug/l	94
23) Vinyl Acetate	6.058	43	538287	112.953	ug/l	95
24) 1,1-Dichloroethane	6.015	63	105229	22.432	ug/l	98
25) 2-Butanone	6.984	43	126310	103.314	ug/l	94
26) 2,2-Dichloropropane	6.984	77	98149	24.281	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	63014	22.476	ug/l	93
28) Bromochloromethane	7.332	49	37226	22.363	ug/l	86
29) Tetrahydrofuran	7.350	42	74571	97.986	ug/l	92
30) Chloroform	7.509	83	113518	24.339	ug/l	98
31) Cyclohexane	7.789	56	90450	20.637	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	102415	24.608	ug/l	98
36) 1,1-Dichloropropene	7.917	75	81292	23.617	ug/l	98
37) Ethyl Acetate	7.070	43	52733	20.358	ug/l	96
38) Carbon Tetrachloride	7.899	117	94876	26.298	ug/l	98
39) Methylcyclohexane	9.185	83	91392	22.522	ug/l	95
40) Benzene	8.161	78	234006	24.134	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	30755	25.479	ug/l	88
42) 1,2-Dichloroethane	8.234	62	79170	24.975	ug/l	98
43) Isopropyl Acetate	8.271	43	92815	21.229	ug/l	98
44) Trichloroethene	8.941	130	62392	24.191	ug/l	98
45) 1,2-Dichloropropane	9.216	63	60120	23.714	ug/l	99
46) Dibromomethane	9.301	93	35616	23.480	ug/l	98
47) Bromodichloromethane	9.496	83	85445	25.174	ug/l	95
48) Methyl methacrylate	9.295	41	44207	22.016	ug/l	91
49) 1,4-Dioxane	9.313	88	8667	400.060	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	263076	107.979	ug/l	96
52) Toluene	10.246	92	144627	24.787	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	87926	24.477	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	95868	23.717	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	48595	24.191	ug/l	98
56) Ethyl methacrylate	10.508	69	62212	22.323	ug/l	91
57) 1,3-Dichloropropane	10.788	76	81209	23.870	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	120606	115.408	ug/l	95
59) 2-Hexanone	10.831	43	190444	107.532	ug/l	96
60) Dibromochloromethane	10.984	129	60095	24.638	ug/l	99
61) 1,2-Dibromoethane	11.087	107	47145	23.871	ug/l	97
64) Tetrachloroethene	10.721	164	55319	24.059	ug/l	97
65) Chlorobenzene	11.514	112	156494	23.758	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	61243	24.860	ug/l	99
67) Ethyl Benzene	11.593	91	271990	23.515	ug/l	100
68) m/p-Xylenes	11.703	106	213482	48.551	ug/l	99
69) o-Xylene	12.032	106	97135	23.358	ug/l	96
70) Styrene	12.044	104	168062	24.171	ug/l	99
71) Bromoform	12.209	173	40666	23.567	ug/l #	99
73) Isopropylbenzene	12.331	105	267723	22.686	ug/l	98
74) N-amyl acetate	12.142	43	80924	19.269	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	61455	21.305	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	45183m	21.472	ug/l	
77) Bromobenzene	12.605	156	67491	23.602	ug/l	95
78) n-propylbenzene	12.672	91	333504	22.943	ug/l	98
79) 2-Chlorotoluene	12.758	91	186711	23.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	224556	23.313	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	21250	20.657	ug/l	96
82) 4-Chlorotoluene	12.855	91	192822	22.790	ug/l	98
83) tert-Butylbenzene	13.075	119	191466	22.943	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	223374	23.852	ug/l	100
85) sec-Butylbenzene	13.251	105	290876	23.225	ug/l	100
86) p-Isopropyltoluene	13.367	119	240209	23.850	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	129969	23.857	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	127697	23.204	ug/l	97
89) n-Butylbenzene	13.697	91	224528	22.840	ug/l	98
90) Hexachloroethane	13.959	117	48243	22.759	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	115852	23.549	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10755	21.111	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	69251	23.610	ug/l	99
94) Hexachlorobutadiene	15.111	225	44938	26.325	ug/l	99
95) Naphthalene	15.233	128	135183	21.242	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	63385	24.246	ug/l	98

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

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