

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013706.D
 Acq On : 11 May 2023 10:43
 Operator : KP/MD
 Sample : VY0511SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Quant Time: May 12 04:38:17 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	220795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	329913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	298503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	158500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	138459	57.205	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.400%			
35) Dibromofluoromethane	7.716	113	121255	58.436	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.880%			
50) Toluene-d8	10.179	98	409403	55.462	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.920%			
62) 4-Bromofluorobenzene	12.483	95	153144	61.540	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 123.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48528	23.119	ug/l	95
3) Chloromethane	2.113	50	58211	20.689	ug/l	94
4) Vinyl Chloride	2.253	62	58992	21.057	ug/l	97
5) Bromomethane	2.650	94	48088	21.540	ug/l	95
6) Chloroethane	2.790	64	37514	19.383	ug/l	91
7) Trichlorofluoromethane	3.125	101	103297	24.339	ug/l	99
8) Diethyl Ether	3.534	74	32139	22.238	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.893	101	56137	23.582	ug/l	98
10) Methyl Iodide	4.089	142	55944	18.711	ug/l	97
11) Tert butyl alcohol	4.966	59	41218m	151.450	ug/l	
12) 1,1-Dichloroethene	3.875	96	51095	22.267	ug/l	96
13) Acrolein	3.729	56	18864	83.295	ug/l	95
14) Allyl chloride	4.479	41	88278	20.733	ug/l	97
15) Acrylonitrile	5.168	53	89777	110.920	ug/l	99
16) Acetone	3.948	43	104107	109.221	ug/l	97
17) Carbon Disulfide	4.192	76	145662	19.542	ug/l	99
18) Methyl Acetate	4.473	43	67883	21.563	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	140976	21.280	ug/l	98
20) Methylene Chloride	4.716	84	64757	16.221	ug/l #	86
21) trans-1,2-Dichloroethene	5.216	96	55526	22.131	ug/l	97
22) Diisopropyl ether	6.119	45	181835	21.849	ug/l	95
23) Vinyl Acetate	6.058	43	538307	114.242	ug/l	97
24) 1,1-Dichloroethane	6.015	63	104162	22.457	ug/l	99
25) 2-Butanone	6.984	43	130502	107.956	ug/l	93
26) 2,2-Dichloropropane	6.978	77	94020	23.524	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	61524	22.194	ug/l	94
28) Bromochloromethane	7.332	49	38170	23.191	ug/l	82
29) Tetrahydrofuran	7.350	42	77897	103.521	ug/l	93
30) Chloroform	7.509	83	109816	23.813	ug/l	99
31) Cyclohexane	7.789	56	89414	20.633	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	99396	24.154	ug/l	98
36) 1,1-Dichloropropene	7.917	75	79141	22.981	ug/l	98
37) Ethyl Acetate	7.076	43	53443	20.622	ug/l	98
38) Carbon Tetrachloride	7.899	117	92553	25.642	ug/l	93
39) Methylcyclohexane	9.179	83	88022	21.681	ug/l	96
40) Benzene	8.161	78	231308	23.845	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	31098m	25.751	ug/l	
42) 1,2-Dichloroethane	8.234	62	78725	24.823	ug/l	97
43) Isopropyl Acetate	8.271	43	96168	21.985	ug/l #	84
44) Trichloroethene	8.941	130	60648	23.504	ug/l	97
45) 1,2-Dichloropropane	9.216	63	59137	23.316	ug/l	97
46) Dibromomethane	9.307	93	35618	23.470	ug/l	96
47) Bromodichloromethane	9.496	83	85521	25.184	ug/l	97
48) Methyl methacrylate	9.289	41	43081	21.445	ug/l	95
49) 1,4-Dioxane	9.307	88	9302	429.165	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	270416	110.938	ug/l	96
52) Toluene	10.246	92	142855	24.472	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	84025	23.379	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	93162	23.037	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	48578	24.171	ug/l	96
56) Ethyl methacrylate	10.508	69	63046	22.611	ug/l	93
57) 1,3-Dichloropropane	10.789	76	82649	24.282	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	123566	118.183	ug/l	95
59) 2-Hexanone	10.831	43	199557	112.624	ug/l	97
60) Dibromochloromethane	10.984	129	60426	24.762	ug/l	100
61) 1,2-Dibromoethane	11.087	107	46617	23.593	ug/l	100
64) Tetrachloroethene	10.721	164	53424	23.537	ug/l	94
65) Chlorobenzene	11.514	112	152093	23.390	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	60439	24.852	ug/l	98
67) Ethyl Benzene	11.593	91	267750	23.449	ug/l	98
68) m/p-Xylenes	11.703	106	208374	48.004	ug/l	98
69) o-Xylene	12.032	106	94671	23.061	ug/l	94
70) Styrene	12.044	104	165872	24.165	ug/l	100
71) Bromoform	12.209	173	41538	24.385	ug/l #	100
73) Isopropylbenzene	12.331	105	257518	21.481	ug/l	99
74) N-amyl acetate	12.142	43	80345	18.833	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	61938	21.137	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	47414m	22.181	ug/l	
77) Bromobenzene	12.605	156	65931	22.697	ug/l	97
78) n-propylbenzene	12.672	91	323819	21.929	ug/l	98
79) 2-Chlorotoluene	12.758	91	181977	22.069	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	217297	22.207	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	20652	19.763	ug/l	94
82) 4-Chlorotoluene	12.855	91	190144	22.123	ug/l	99
83) tert-Butylbenzene	13.075	119	187850	22.159	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	217398	22.852	ug/l	100
85) sec-Butylbenzene	13.252	105	281127	22.096	ug/l	100
86) p-Isopropyltoluene	13.367	119	231129	22.590	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	126805	22.913	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	126712	22.666	ug/l	99
89) n-Butylbenzene	13.697	91	218234	21.854	ug/l	98
90) Hexachloroethane	13.959	117	47561	22.087	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	116741	23.360	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11102	21.452	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	67264	22.575	ug/l	99
94) Hexachlorobutadiene	15.111	225	44086	25.424	ug/l	100
95) Naphthalene	15.233	128	131804	20.388	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	61284	23.077	ug/l	99

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

