

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112723\
 Data File : VY016501.D
 Acq On : 27 Nov 2023 11:35
 Operator : SY/MD
 Sample : VY1127SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1127SBS01

Quant Time: Nov 28 00:14:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/28/2023
 Supervised By : Mahesh Dadoda 11/28/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	147192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	226573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	197455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	95470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	62313	46.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.640%		
35) Dibromofluoromethane	7.734	113	72787	56.552	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	113.100%		
50) Toluene-d8	10.191	98	270681	51.861	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.720%		
62) 4-Bromofluorobenzene	12.495	95	90387	53.320	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	106.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	32606	22.623	ug/l	96
3) Chloromethane	2.119	50	32206	19.080	ug/l	99
4) Vinyl Chloride	2.259	62	36737	20.240	ug/l	94
5) Bromomethane	2.662	94	23618	19.800	ug/l	98
6) Chloroethane	2.802	64	22949	19.815	ug/l	95
7) Trichlorofluoromethane	3.137	101	60268	22.823	ug/l	100
8) Diethyl Ether	3.540	74	15852	20.085	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.911	101	33800	21.251	ug/l	98
10) Methyl Iodide	4.106	142	36049	20.986	ug/l	99
11) Tert butyl alcohol	4.972	59	8501	80.696	ug/l #	97
12) 1,1-Dichloroethene	3.887	96	30923	20.790	ug/l	84
13) Acrolein	3.741	56	7954	62.598	ug/l	99
14) Allyl chloride	4.491	41	37027	17.542	ug/l #	87
15) Acrylonitrile	5.186	53	27375	87.403	ug/l	99
16) Acetone	3.954	43	29919	134.452	ug/l #	82
17) Carbon Disulfide	4.210	76	89763	20.001	ug/l	97
18) Methyl Acetate	4.497	43	19127	16.176	ug/l #	82
19) Methyl tert-butyl Ether	5.234	73	67503	18.751	ug/l	98
20) Methylene Chloride	4.728	84	36889	21.481	ug/l #	81
21) trans-1,2-Dichloroethene	5.234	96	35662	20.823	ug/l	87
22) Diisopropyl ether	6.131	45	79453	17.466	ug/l #	88
23) Vinyl Acetate	6.076	43	182759	82.915	ug/l #	83
24) 1,1-Dichloroethane	6.033	63	54755	19.511	ug/l #	96
25) 2-Butanone	7.002	43	40959	105.087	ug/l	92
26) 2,2-Dichloropropane	6.996	77	52645	20.612	ug/l	93
27) cis-1,2-Dichloroethene	7.002	96	38936	21.096	ug/l	86
28) Bromochloromethane	7.350	49	17873	17.208	ug/l #	65
29) Tetrahydrofuran	7.362	42	19678	76.383	ug/l #	77
30) Chloroform	7.521	83	62584	21.425	ug/l	99
31) Cyclohexane	7.801	56	48336	18.250	ug/l #	83
32) 1,1,1-Trichloroethane	7.716	97	58635	21.898	ug/l	95
36) 1,1-Dichloropropene	7.929	75	47475	21.243	ug/l	98
37) Ethyl Acetate	7.088	43	14872	16.469	ug/l #	93
38) Carbon Tetrachloride	7.917	117	54323	23.420	ug/l	97
39) Methylcyclohexane	9.197	83	59336	21.307	ug/l	89
40) Benzene	8.173	78	135378	21.560	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	7835	17.208	ug/l	90
42) 1,2-Dichloroethane	8.252	62	34313	21.091	ug/l	91
43) Isopropyl Acetate	8.283	43	28932	16.575	ug/l #	82
44) Trichloroethene	8.953	130	41680	23.097	ug/l	93
45) 1,2-Dichloropropane	9.228	63	30571	20.273	ug/l	95
46) Dibromomethane	9.319	93	17414	21.310	ug/l	96
47) Bromodichloromethane	9.508	83	45641	21.725	ug/l	96
48) Methyl methacrylate	9.307	41	15956	16.540	ug/l #	78
49) 1,4-Dioxane	9.313	88	3262	376.004	ug/l #	65
51) 4-Methyl-2-Pentanone	10.081	43	73924	83.752	ug/l #	84
52) Toluene	10.258	92	87779	22.115	ug/l	96
53) t-1,3-Dichloropropene	10.477	75	41814	20.531	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	52013	21.382	ug/l #	85
55) 1,1,2-Trichloroethane	10.654	97	24524	21.774	ug/l	94
56) Ethyl methacrylate	10.526	69	20421	19.207	ug/l #	79
57) 1,3-Dichloropropane	10.800	76	40444	21.066	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	62535	86.743	ug/l #	88
59) 2-Hexanone	10.843	43	63964	97.426	ug/l	81
60) Dibromochloromethane	10.996	129	32272	22.910	ug/l	99
61) 1,2-Dibromoethane	11.099	107	22838	21.283	ug/l	99
64) Tetrachloroethene	10.733	164	42592	24.023	ug/l	97
65) Chlorobenzene	11.532	112	94484	22.397	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	36641	23.548	ug/l	99
67) Ethyl Benzene	11.605	91	166940	22.019	ug/l	98
68) m/p-Xylenes	11.715	106	131806	45.835	ug/l	91
69) o-Xylene	12.044	106	59410	22.252	ug/l	97
70) Styrene	12.056	104	87605	22.915	ug/l	97
71) Bromoform	12.221	173	18424	22.819	ug/l #	98
73) Isopropylbenzene	12.343	105	166095	21.484	ug/l	98
74) N-amyl acetate	12.154	43	23299	15.004	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.593	83	24302	19.590	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	18955m	20.697	ug/l	
77) Bromobenzene	12.623	156	39153	22.408	ug/l	88
78) n-propylbenzene	12.684	91	192759	21.098	ug/l	98
79) 2-Chlorotoluene	12.770	91	107027	21.256	ug/l	97
80) 1,3,5-Trimethylbenzene	12.824	105	136296	21.867	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	7989	18.934	ug/l	90
82) 4-Chlorotoluene	12.867	91	112457	21.615	ug/l	97
83) tert-Butylbenzene	13.087	119	119497	21.766	ug/l	97
84) 1,2,4-Trimethylbenzene	13.135	105	134020	21.836	ug/l	97
85) sec-Butylbenzene	13.263	105	169759	21.643	ug/l	99
86) p-Isopropyltoluene	13.379	119	148031	21.918	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	72897	21.685	ug/l	99
88) 1,4-Dichlorobenzene	13.458	146	72264	21.996	ug/l	99
89) n-Butylbenzene	13.708	91	129681	20.792	ug/l	95
90) Hexachloroethane	13.971	117	28413	21.809	ug/l	96
91) 1,2-Dichlorobenzene	13.751	146	62347	21.644	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3487	17.667	ug/l	81
93) 1,2,4-Trichlorobenzene	15.019	180	33788	20.095	ug/l	99
94) Hexachlorobutadiene	15.123	225	22270	23.119	ug/l	98
95) Naphthalene	15.251	128	52708	17.527	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	26475	19.037	ug/l	99

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

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