

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012423\
 Data File : VY012333.D
 Acq On : 24 Jan 2023 11:36
 Operator : KP/MD
 Sample : VY0124SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0124SBS01

Quant Time: Jan 25 01:30:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/25/2023
 Supervised By :Mahesh Dadoda 01/25/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	167296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	253101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	232463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	68658	49.470	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.940%		
35) Dibromofluoromethane	7.716	113	59940	44.726	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.460%		
50) Toluene-d8	10.179	98	223423	47.937	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.880%		
62) 4-Bromofluorobenzene	12.483	95	85539	45.277	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32158	21.996	ug/l	97
3) Chloromethane	2.119	50	26813	19.866	ug/l	98
4) Vinyl Chloride	2.253	62	31882	20.238	ug/l	100
5) Bromomethane	2.644	94	26399	21.675	ug/l	98
6) Chloroethane	2.796	64	21460	20.888	ug/l	94
7) Trichlorofluoromethane	3.131	101	65806	21.403	ug/l	100
8) Diethyl Ether	3.534	74	18159	19.848	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.905	101	31202	20.851	ug/l	93
10) Methyl Iodide	4.094	142	37518	16.498	ug/l	91
11) Tert butyl alcohol	4.942	59	17649	99.855	ug/l	99
12) 1,1-Dichloroethene	3.875	96	31338	20.396	ug/l	97
13) Acrolein	3.735	56	9063	131.602	ug/l	97
14) Allyl chloride	4.479	41	37201	19.581	ug/l #	84
15) Acrylonitrile	5.155	53	39631	99.171	ug/l	98
16) Acetone	3.948	43	44506	95.538	ug/l	98
17) Carbon Disulfide	4.192	76	93616	19.698	ug/l	99
18) Methyl Acetate	4.479	43	19965	19.153	ug/l #	86
19) Methyl tert-butyl Ether	5.222	73	85872	20.049	ug/l	98
20) Methylene Chloride	4.716	84	41192	15.663	ug/l #	88
21) trans-1,2-Dichloroethene	5.222	96	34819	20.307	ug/l	93
22) Diisopropyl ether	6.119	45	76487	20.194	ug/l #	89
23) Vinyl Acetate	6.064	43	233795	99.058	ug/l #	90
24) 1,1-Dichloroethane	6.021	63	53417	20.333	ug/l	100
25) 2-Butanone	6.984	43	49201	95.669	ug/l	90
26) 2,2-Dichloropropane	6.984	77	58570	20.537	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	38291	20.331	ug/l	94
28) Bromochloromethane	7.338	49	10834	18.883	ug/l #	71
29) Tetrahydrofuran	7.344	42	27872	98.665	ug/l #	80
30) Chloroform	7.502	83	65566	21.142	ug/l	98
31) Cyclohexane	7.789	56	48807	20.010	ug/l	87
32) 1,1,1-Trichloroethane	7.704	97	64623	21.048	ug/l	98
36) 1,1-Dichloropropene	7.917	75	46539	20.433	ug/l	98
37) Ethyl Acetate	7.076	43	20321	20.238	ug/l #	96
38) Carbon Tetrachloride	7.899	117	62021	21.084	ug/l	96
39) Methylcyclohexane	9.185	83	58066	20.862	ug/l	91
40) Benzene	8.161	78	134668	20.486	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	11708m	19.838	ug/l	
42) 1,2-Dichloroethane	8.234	62	44743	21.379	ug/l	98
43) Isopropyl Acetate	8.271	43	36192	19.374	ug/l #	93
44) Trichloroethene	8.941	130	40434	20.578	ug/l	94
45) 1,2-Dichloropropane	9.216	63	27997	20.410	ug/l	99
46) Dibromomethane	9.307	93	19006	20.697	ug/l	96
47) Bromodichloromethane	9.496	83	46913	20.295	ug/l	96
48) Methyl methacrylate	9.295	41	16868	19.597	ug/l #	86
49) 1,4-Dioxane	9.301	88	5144	411.093	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	100617	101.010	ug/l	93
52) Toluene	10.246	92	90786	20.742	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	49222	20.357	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	51878	19.923	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	26809	20.548	ug/l	97
56) Ethyl methacrylate	10.508	69	33798	19.746	ug/l	93
57) 1,3-Dichloropropane	10.788	76	43579	20.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	55679	98.309	ug/l #	87
59) 2-Hexanone	10.831	43	76430	100.779	ug/l	93
60) Dibromochloromethane	10.983	129	35558	20.548	ug/l	99
61) 1,2-Dibromoethane	11.087	107	25596	20.331	ug/l	99
64) Tetrachloroethene	10.721	164	45171	21.295	ug/l	98
65) Chlorobenzene	11.520	112	97170	20.430	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	37690	20.994	ug/l	97
67) Ethyl Benzene	11.593	91	176463	20.759	ug/l	99
68) m/p-Xylenes	11.703	106	139527	41.514	ug/l	99
69) o-Xylene	12.032	106	66421	20.691	ug/l	96
70) Styrene	12.044	104	110227	20.550	ug/l	98
71) Bromoform	12.209	173	23089	20.130	ug/l #	98
73) Isopropylbenzene	12.331	105	179346	20.371	ug/l	100
74) N-amyl acetate	12.142	43	32211	18.664	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	26899	19.397	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	20772m	18.502	ug/l	
77) Bromobenzene	12.611	156	41821	19.741	ug/l	91
78) n-propylbenzene	12.672	91	208251	20.214	ug/l	98
79) 2-Chlorotoluene	12.758	91	116988	20.084	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	158606	20.723	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10686	19.612	ug/l	97
82) 4-Chlorotoluene	12.855	91	121793	19.905	ug/l	97
83) tert-Butylbenzene	13.075	119	136933	20.528	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	154752	20.503	ug/l	100
85) sec-Butylbenzene	13.257	105	192694	20.290	ug/l	97
86) p-Isopropyltoluene	13.373	119	171358	20.651	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	84070	19.953	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	84093	20.013	ug/l	100
89) n-Butylbenzene	13.696	91	147556	20.520	ug/l	97
90) Hexachloroethane	13.965	117	30138	20.119	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	76022	20.221	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5458	19.045	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	46064	19.122	ug/l	99
94) Hexachlorobutadiene	15.111	225	29385	20.260	ug/l	100
95) Naphthalene	15.239	128	88276	18.566	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	39179	18.900	ug/l	98

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

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