

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110623\
 Data File : VY016228.D
 Acq On : 06 Nov 2023 11:16
 Operator : SY/MD
 Sample : VY1106SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/07/2023
 Supervised By : Mahesh Dadoda 11/07/2023

Quant Time: Nov 06 23:54:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	157844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	253808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	219150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	103109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	73603	49.833	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.660%		
35) Dibromofluoromethane	7.728	113	75010	49.573	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.140%		
50) Toluene-d8	10.185	98	301653	50.282	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.560%		
62) 4-Bromofluorobenzene	12.489	95	98363	47.949	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18984	18.854	ug/l	100
3) Chloromethane	2.119	50	24282	17.418	ug/l	96
4) Vinyl Chloride	2.259	62	26439	18.376	ug/l	96
5) Bromomethane	2.656	94	18478	19.030	ug/l	96
6) Chloroethane	2.802	64	19452	19.203	ug/l	97
7) Trichlorofluoromethane	3.131	101	46567	21.438	ug/l	99
8) Diethyl Ether	3.533	74	14729	20.459	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.905	101	29395	21.481	ug/l	95
10) Methyl Iodide	4.100	142	29127	19.142	ug/l	95
11) Tert butyl alcohol	4.972	59	10985	99.543	ug/l #	85
12) 1,1-Dichloroethene	3.887	96	24904	19.939	ug/l	92
13) Acrolein	3.735	56	11229	105.904	ug/l	99
14) Allyl chloride	4.491	41	39968	22.372	ug/l #	93
15) Acrylonitrile	5.173	53	32296	104.981	ug/l	99
16) Acetone	3.960	43	24249	90.690	ug/l	90
17) Carbon Disulfide	4.210	76	51961	16.664	ug/l	97
18) Methyl Acetate	4.484	43	24443	20.578	ug/l	91
19) Methyl tert-butyl Ether	5.234	73	75567	21.270	ug/l	100
20) Methylene Chloride	4.722	84	35288	21.770	ug/l	88
21) trans-1,2-Dichloroethene	5.234	96	29649	20.379	ug/l	91
22) Diisopropyl ether	6.131	45	96055	22.229	ug/l #	87
23) Vinyl Acetate	6.070	43	220100	103.744	ug/l #	93
24) 1,1-Dichloroethane	6.033	63	57376	22.186	ug/l	99
25) 2-Butanone	6.990	43	40754	100.013	ug/l	92
26) 2,2-Dichloropropane	6.990	77	52556	21.498	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	36994	21.607	ug/l	93
28) Bromochloromethane	7.350	49	19801	20.461	ug/l	89
29) Tetrahydrofuran	7.356	42	25633	100.349	ug/l	88
30) Chloroform	7.514	83	61713	21.919	ug/l	99
31) Cyclohexane	7.795	56	43881	19.327	ug/l	87
32) 1,1,1-Trichloroethane	7.710	97	54754	21.205	ug/l	98
36) 1,1-Dichloropropene	7.929	75	42950	19.657	ug/l	99
37) Ethyl Acetate	7.082	43	19583	20.123	ug/l	97
38) Carbon Tetrachloride	7.911	117	48271	22.299	ug/l	99
39) Methylcyclohexane	9.191	83	49690	19.052	ug/l	90
40) Benzene	8.167	78	127687	20.356	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	10451m	18.501	ug/l	
42) 1,2-Dichloroethane	8.246	62	36017	20.575	ug/l	94
43) Isopropyl Acetate	8.277	43	38402	19.949	ug/l #	91
44) Trichloroethene	8.947	130	37644	20.507	ug/l	94
45) 1,2-Dichloropropane	9.221	63	33326	22.085	ug/l	98
46) Dibromomethane	9.313	93	17940	20.958	ug/l	95
47) Bromodichloromethane	9.502	83	47499	21.839	ug/l	99
48) Methyl methacrylate	9.301	41	16691	19.068	ug/l	88
49) 1,4-Dioxane	9.307	88	3498	257.279	ug/l #	44
51) 4-Methyl-2-Pentanone	10.075	43	97847	101.871	ug/l	92
52) Toluene	10.252	92	83225	20.475	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	44849	20.657	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	53530	21.011	ug/l	91
55) 1,1,2-Trichloroethane	10.654	97	25933	21.537	ug/l	95
56) Ethyl methacrylate	10.520	69	30851	19.729	ug/l	88
57) 1,3-Dichloropropane	10.800	76	42374	20.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	80067	105.591	ug/l	93
59) 2-Hexanone	10.837	43	67425	102.439	ug/l	91
60) Dibromochloromethane	10.996	129	32088	21.242	ug/l	99
61) 1,2-Dibromoethane	11.099	107	23183	20.242	ug/l	99
64) Tetrachloroethene	10.727	164	37154	19.060	ug/l	97
65) Chlorobenzene	11.526	112	90821	20.859	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	35442	21.977	ug/l	98
67) Ethyl Benzene	11.599	91	162860	20.913	ug/l	98
68) m/p-Xylenes	11.709	106	125331	41.648	ug/l	94
69) o-Xylene	12.038	106	58753	20.449	ug/l	97
70) Styrene	12.050	104	98759	20.676	ug/l	95
71) Bromoform	12.215	173	18378	20.542	ug/l #	99
73) Isopropylbenzene	12.337	105	163627	21.156	ug/l	100
74) N-amyl acetate	12.154	43	32980	19.622	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.593	83	26828	21.798	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	18274m	18.820	ug/l	
77) Bromobenzene	12.617	156	37038	21.148	ug/l	93
78) n-propylbenzene	12.678	91	194714	21.294	ug/l	99
79) 2-Chlorotoluene	12.764	91	107358	21.050	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	131142	20.928	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	9230	20.611	ug/l	94
82) 4-Chlorotoluene	12.861	91	110557	21.110	ug/l	99
83) tert-Butylbenzene	13.087	119	120214	21.441	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	129663	20.912	ug/l	98
85) sec-Butylbenzene	13.263	105	176271	21.420	ug/l	100
86) p-Isopropyltoluene	13.379	119	145484	21.331	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	72164	20.835	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	71916	21.007	ug/l	99
89) n-Butylbenzene	13.702	91	133648	21.326	ug/l	97
90) Hexachloroethane	13.971	117	26968	22.945	ug/l	92
91) 1,2-Dichlorobenzene	13.745	146	63287	21.148	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4190	19.023	ug/l	92
93) 1,2,4-Trichlorobenzene	15.019	180	37035	20.050	ug/l	99
94) Hexachlorobutadiene	15.123	225	22122	21.917	ug/l	99
95) Naphthalene	15.245	128	63946	17.820	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	30390	19.260	ug/l	98

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

