

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112723\
 Data File : VY016502.D
 Acq On : 27 Nov 2023 11:58
 Operator : SY/MD
 Sample : VY1127SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1127SBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 28 00:15:16 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

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	150006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	231132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	204554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	101625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	67047	48.904	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.800%		
35) Dibromofluoromethane	7.728	113	74891	57.039	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	114.080%		
50) Toluene-d8	10.191	98	274991	51.647	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.300%		
62) 4-Bromofluorobenzene	12.489	95	95176	55.038	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	110.080%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	32550	22.161	ug/l	98
3) Chloromethane	2.119	50	32786	19.059	ug/l	96
4) Vinyl Chloride	2.259	62	36538	19.753	ug/l	96
5) Bromomethane	2.656	94	23882	19.646	ug/l	98
6) Chloroethane	2.802	64	22895	19.397	ug/l	94
7) Trichlorofluoromethane	3.137	101	59770	22.210	ug/l	99
8) Diethyl Ether	3.540	74	16162	20.094	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.911	101	33932	20.934	ug/l	97
10) Methyl Iodide	4.100	142	36365	20.773	ug/l	100
11) Tert butyl alcohol	4.972	59	9855	91.794	ug/l #	84
12) 1,1-Dichloroethene	3.887	96	31529	20.799	ug/l	83
13) Acrolein	3.741	56	9213	71.146	ug/l	99
14) Allyl chloride	4.491	41	37704	17.528	ug/l #	88
15) Acrylonitrile	5.180	53	31403	98.383	ug/l	97
16) Acetone	3.954	43	33786	148.982	ug/l #	86
17) Carbon Disulfide	4.210	76	88923	19.442	ug/l	97
18) Methyl Acetate	4.491	43	21795	18.087	ug/l #	81
19) Methyl tert-butyl Ether	5.241	73	73611	20.064	ug/l	98
20) Methylene Chloride	4.734	84	37539	21.444	ug/l #	80
21) trans-1,2-Dichloroethene	5.234	96	36029	20.643	ug/l	86
22) Diisopropyl ether	6.131	45	82550	17.807	ug/l #	88
23) Vinyl Acetate	6.076	43	197827	88.068	ug/l #	85
24) 1,1-Dichloroethane	6.027	63	56221	19.658	ug/l	96
25) 2-Butanone	6.996	43	46897	118.064	ug/l #	85
26) 2,2-Dichloropropane	6.996	77	53458	20.537	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	39593	21.050	ug/l	85
28) Bromochloromethane	7.350	49	18454	17.434	ug/l #	69
29) Tetrahydrofuran	7.356	42	22641	86.236	ug/l #	77
30) Chloroform	7.521	83	62802	21.096	ug/l	100
31) Cyclohexane	7.795	56	47965	17.770	ug/l #	82
32) 1,1,1-Trichloroethane	7.716	97	58944	21.600	ug/l	95
36) 1,1-Dichloropropene	7.929	75	47822	20.976	ug/l	97
37) Ethyl Acetate	7.088	43	17259	18.736	ug/l #	89
38) Carbon Tetrachloride	7.911	117	54283	22.941	ug/l	96
39) Methylcyclohexane	9.191	83	57650	20.293	ug/l	87
40) Benzene	8.173	78	138012	21.546	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	8261	17.786	ug/l #	84
42) 1,2-Dichloroethane	8.246	62	35556	21.424	ug/l	91
43) Isopropyl Acetate	8.283	43	32767	18.402	ug/l #	84
44) Trichloroethene	8.953	130	41359	22.467	ug/l	94
45) 1,2-Dichloropropane	9.228	63	32005	20.805	ug/l	92
46) Dibromomethane	9.313	93	18408	22.082	ug/l	98
47) Bromodichloromethane	9.508	83	47451	22.141	ug/l	99
48) Methyl methacrylate	9.301	41	17695	17.981	ug/l #	76
49) 1,4-Dioxane	9.313	88	3589	405.537	ug/l #	38
51) 4-Methyl-2-Pentanone	10.081	43	84658	94.021	ug/l #	84
52) Toluene	10.252	92	88383	21.828	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	44733	21.531	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	52975	21.348	ug/l #	84
55) 1,1,2-Trichloroethane	10.654	97	26167	22.774	ug/l	95
56) Ethyl methacrylate	10.520	69	22693	20.923	ug/l #	76
57) 1,3-Dichloropropane	10.800	76	42796	21.851	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	71647	97.422	ug/l	90
59) 2-Hexanone	10.843	43	73362	109.536	ug/l	82
60) Dibromochloromethane	10.996	129	34483	23.997	ug/l	98
61) 1,2-Dibromoethane	11.099	107	25278	23.093	ug/l	99
64) Tetrachloroethene	10.733	164	42583	23.185	ug/l	97
65) Chlorobenzene	11.526	112	96714	22.130	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	37896	23.510	ug/l	98
67) Ethyl Benzene	11.605	91	168001	21.390	ug/l	96
68) m/p-Xylenes	11.709	106	130951	43.957	ug/l	92
69) o-Xylene	12.038	106	61629	22.282	ug/l	95
70) Styrene	12.056	104	88512	22.349	ug/l	97
71) Bromoform	12.215	173	20026	23.943	ug/l #	99
73) Isopropylbenzene	12.337	105	168271	20.448	ug/l	99
74) N-amyl acetate	12.154	43	26347	15.939	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.593	83	26892	20.365	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	18406m	18.880	ug/l	
77) Bromobenzene	12.617	156	39648	21.317	ug/l	88
78) n-propylbenzene	12.678	91	193509	19.897	ug/l	97
79) 2-Chlorotoluene	12.770	91	108023	20.155	ug/l	96
80) 1,3,5-Trimethylbenzene	12.825	105	137337	20.699	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	8702	19.375	ug/l	88
82) 4-Chlorotoluene	12.867	91	112551	20.323	ug/l	97
83) tert-Butylbenzene	13.087	119	121509	20.792	ug/l	96
84) 1,2,4-Trimethylbenzene	13.129	105	136100	20.832	ug/l	98
85) sec-Butylbenzene	13.263	105	170748	20.451	ug/l	98
86) p-Isopropyltoluene	13.379	119	147772	20.555	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	75921	21.217	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	75187	21.500	ug/l	99
89) n-Butylbenzene	13.709	91	130837	19.707	ug/l	96
90) Hexachloroethane	13.971	117	28533	20.574	ug/l	96
91) 1,2-Dichlorobenzene	13.751	146	66334	21.634	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3957	18.834	ug/l	83
93) 1,2,4-Trichlorobenzene	15.019	180	37327	20.856	ug/l	97
94) Hexachlorobutadiene	15.123	225	23095	22.523	ug/l	98
95) Naphthalene	15.245	128	64332	20.097	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	30429	20.555	ug/l	98

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

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