

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081123\
 Data File : VY015052.D
 Acq On : 11 Aug 2023 12:21
 Operator : SY/MD
 Sample : VY0811SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0811SBS02

Quant Time: Aug 11 14:50:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/14/2023
 Supervised By : Mahesh Dadoda 08/15/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	285917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	468704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	427144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	221140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	190454	54.959	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.920%			
35) Dibromofluoromethane	7.716	113	169073	56.409	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.820%			
50) Toluene-d8	10.179	98	620198	54.364	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.720%			
62) 4-Bromofluorobenzene	12.477	95	227516	56.270	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	30545	17.046	ug/l	96
3) Chloromethane	2.113	50	38589	17.150	ug/l	98
4) Vinyl Chloride	2.247	62	46917	16.921	ug/l	99
5) Bromomethane	2.625	94	37558	18.470	ug/l	99
6) Chloroethane	2.778	64	34971	18.268	ug/l	99
7) Trichlorofluoromethane	3.113	101	78532	17.923	ug/l	100
8) Diethyl Ether	3.528	74	30275	18.725	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.887	101	47309	18.240	ug/l	95
10) Methyl Iodide	4.082	142	41246	15.381	ug/l	99
11) Tert butyl alcohol	4.948	59	52640	62.940	ug/l #	80
12) 1,1-Dichloroethene	3.863	96	39036	17.273	ug/l	91
13) Acrolein	3.723	56	39413	138.527	ug/l	96
14) Allyl chloride	4.472	41	66650	17.710	ug/l	95
15) Acrylonitrile	5.155	53	99096	100.325	ug/l	99
16) Acetone	3.942	43	84909	78.574	ug/l #	87
17) Carbon Disulfide	4.186	76	65769	13.163	ug/l	100
18) Methyl Acetate	4.472	43	77338	19.652	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	165575	19.365	ug/l	100
20) Methylene Chloride	4.704	84	70940	3.979	ug/l #	90
21) trans-1,2-Dichloroethene	5.216	96	44617	17.320	ug/l	89
22) Diisopropyl ether	6.112	45	165739	18.907	ug/l	93
23) Vinyl Acetate	6.051	43	492287	93.422	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	92831	18.670	ug/l	98
25) 2-Butanone	6.984	43	150237	97.067	ug/l	97
26) 2,2-Dichloropropane	6.978	77	91055	18.098	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	60251	18.482	ug/l	97
28) Bromochloromethane	7.326	49	45142	20.140	ug/l	89
29) Tetrahydrofuran	7.344	42	91128	100.401	ug/l	91
30) Chloroform	7.502	83	105178	19.473	ug/l	96
31) Cyclohexane	7.783	56	64743	15.647	ug/l #	83
32) 1,1,1-Trichloroethane	7.697	97	87605	18.404	ug/l	98
36) 1,1-Dichloropropene	7.911	75	64985	17.464	ug/l	99
37) Ethyl Acetate	7.070	43	59846	20.261	ug/l #	95
38) Carbon Tetrachloride	7.899	117	77481	18.521	ug/l	99
39) Methylcyclohexane	9.179	83	73328	16.570	ug/l	92
40) Benzene	8.155	78	199842	18.238	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	27291m	19.013	ug/l	
42) 1,2-Dichloroethane	8.234	62	72761	19.077	ug/l	95
43) Isopropyl Acetate	8.271	43	108440	19.760	ug/l	98
44) Trichloroethene	8.935	130	58913	18.738	ug/l	96
45) 1,2-Dichloropropane	9.216	63	54953	18.871	ug/l	99
46) Dibromomethane	9.301	93	36543	19.480	ug/l	96
47) Bromodichloromethane	9.496	83	84044	19.455	ug/l	99
48) Methyl methacrylate	9.289	41	47358	19.669	ug/l	93
49) 1,4-Dioxane	9.295	88	14160	405.802	ug/l #	63
51) 4-Methyl-2-Pentanone	10.069	43	319730	103.387	ug/l	94
52) Toluene	10.240	92	130906	18.565	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	85911	19.097	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	91774	18.882	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	53613	19.663	ug/l	95
56) Ethyl methacrylate	10.508	69	76956	19.711	ug/l	92
57) 1,3-Dichloropropane	10.788	76	88968	19.722	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	184321	99.849	ug/l	92
59) 2-Hexanone	10.831	43	240844	105.424	ug/l	92
60) Dibromochloromethane	10.983	129	65053	20.038	ug/l	99
61) 1,2-Dibromoethane	11.087	107	51811	19.908	ug/l	100
64) Tetrachloroethene	10.715	164	65102	20.262	ug/l	98
65) Chlorobenzene	11.514	112	154791	19.098	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	63046	19.851	ug/l	99
67) Ethyl Benzene	11.593	91	266864	18.761	ug/l	100
68) m/p-Xylenes	11.697	106	206248	37.903	ug/l	96
69) o-Xylene	12.026	106	101327	19.030	ug/l	99
70) Styrene	12.038	104	176814	19.431	ug/l	97
71) Bromoform	12.203	173	45072	20.589	ug/l #	97
73) Isopropylbenzene	12.325	105	273742	18.415	ug/l	100
74) N-amyl acetate	12.142	43	97039	19.106	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	70338	19.362	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	53322m	20.123	ug/l	
77) Bromobenzene	12.605	156	69437	19.257	ug/l	100
78) n-propylbenzene	12.666	91	329617	18.539	ug/l	99
79) 2-Chlorotoluene	12.751	91	192432	18.990	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	234664	19.156	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	22839	18.988	ug/l	98
82) 4-Chlorotoluene	12.855	91	199570	19.051	ug/l	99
83) tert-Butylbenzene	13.075	119	210398	18.775	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	233748	19.045	ug/l	98
85) sec-Butylbenzene	13.251	105	308063	18.730	ug/l	99
86) p-Isopropyltoluene	13.367	119	264619	19.437	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	137477	19.478	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	138383	19.660	ug/l	98
89) n-Butylbenzene	13.696	91	246160	19.244	ug/l	97
90) Hexachloroethane	13.959	117	49622	18.769	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	129863	19.936	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14524	20.476	ug/l	94
93) 1,2,4-Trichlorobenzene	15.001	180	83342	19.995	ug/l	99
94) Hexachlorobutadiene	15.111	225	44655	19.756	ug/l	99
95) Naphthalene	15.233	128	207354	21.142	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	74857	19.840	ug/l	99

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

