

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014911.D
 Acq On : 28 Jul 2023 16:07
 Operator : SY/MD
 Sample : VY0728SBS04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0728SBS04

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 29 03:07:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.777	168	184162	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.679	114	312640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	285478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	145627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	125038	59.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.160%			
35) Dibromofluoromethane	7.710	113	108899	54.718	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.440%			
50) Toluene-d8	10.173	98	387874	52.863	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.720%			
62) 4-Bromofluorobenzene	12.477	95	144597	51.395	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	27862	18.570	ug/l	95
3) Chloromethane	2.101	50	40660	24.108	ug/l	96
4) Vinyl Chloride	2.241	62	44201	23.450	ug/l	94
5) Bromomethane	2.613	94	29790	23.915	ug/l	91
6) Chloroethane	2.765	64	27871	23.671	ug/l	98
7) Trichlorofluoromethane	3.101	101	63548	20.074	ug/l	98
8) Diethyl Ether	3.515	74	23763	20.174	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.875	101	35546	18.319	ug/l	96
10) Methyl Iodide	4.076	142	26601	14.689	ug/l	97
11) Tert butyl alcohol	4.960	59	54547	114.835	ug/l	99
12) 1,1-Dichloroethene	3.850	96	33463	18.452	ug/l	95
13) Acrolein	3.716	56	19554	89.147	ug/l	98
14) Allyl chloride	4.460	41	55639	17.279	ug/l	97
15) Acrylonitrile	5.149	53	75859	116.791	ug/l	99
16) Acetone	3.942	43	78207	117.601	ug/l	95
17) Carbon Disulfide	4.174	76	87274	16.809	ug/l	98
18) Methyl Acetate	4.466	43	62345	24.430	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	120518	20.458	ug/l	98
20) Methylene Chloride	4.698	84	53356	22.364	ug/l	89
21) trans-1,2-Dichloroethene	5.198	96	38772	18.839	ug/l	93
22) Diisopropyl ether	6.106	45	122737	18.748	ug/l	93
23) Vinyl Acetate	6.045	43	377527	96.365	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	70624	18.854	ug/l	95
25) 2-Butanone	6.978	43	118101	121.388	ug/l	95
26) 2,2-Dichloropropane	6.966	77	65398	18.319	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	46445	19.388	ug/l	97
28) Bromochloromethane	7.319	49	36045	22.343	ug/l	94
29) Tetrahydrofuran	7.338	42	72864	121.627	ug/l	92
30) Chloroform	7.496	83	76818	19.887	ug/l	98
31) Cyclohexane	7.771	56	57735	16.573	ug/l #	87
32) 1,1,1-Trichloroethane	7.691	97	64606	18.583	ug/l	99
36) 1,1-Dichloropropene	7.911	75	52137	17.518	ug/l	98
37) Ethyl Acetate	7.063	43	46532	22.708	ug/l #	94
38) Carbon Tetrachloride	7.886	117	56676	18.014	ug/l	99
39) Methylcyclohexane	9.173	83	62681	16.165	ug/l	93
40) Benzene	8.148	78	159341	18.824	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	24355m	23.107	ug/l	
42) 1,2-Dichloroethane	8.228	62	54871	20.470	ug/l	95
43) Isopropyl Acetate	8.264	43	80477	20.617	ug/l	97
44) Trichloroethene	8.929	130	45328	19.139	ug/l	98
45) 1,2-Dichloropropane	9.209	63	41186	18.634	ug/l	97
46) Dibromomethane	9.295	93	27528	20.530	ug/l	96
47) Bromodichloromethane	9.490	83	59854	18.939	ug/l	95
48) Methyl methacrylate	9.282	41	35362	20.133	ug/l	93
49) 1,4-Dioxane	9.295	88	10786	493.314	ug/l #	64
51) 4-Methyl-2-Pentanone	10.063	43	233546	113.953	ug/l	94
52) Toluene	10.233	92	101201	18.684	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	61617	17.824	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	67411	17.932	ug/l	95
55) 1,1,2-Trichloroethane	10.636	97	38913	20.833	ug/l	94
56) Ethyl methacrylate	10.502	69	56548	19.829	ug/l	91
57) 1,3-Dichloropropane	10.782	76	64304	19.960	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	142251	107.053	ug/l	93
59) 2-Hexanone	10.825	43	173609	116.158	ug/l	92
60) Dibromochloromethane	10.977	129	44540	19.449	ug/l	99
61) 1,2-Dibromoethane	11.081	107	38090	20.442	ug/l	100
64) Tetrachloroethene	10.709	164	46897	20.426	ug/l	97
65) Chlorobenzene	11.508	112	112245	18.451	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.581	131	42221	18.407	ug/l	98
67) Ethyl Benzene	11.587	91	195141	17.766	ug/l	100
68) m/p-Xylenes	11.697	106	150822	35.972	ug/l	95
69) o-Xylene	12.026	106	73718	18.051	ug/l	98
70) Styrene	12.038	104	126696	18.407	ug/l	96
71) Bromoform	12.203	173	29664	19.080	ug/l #	99
73) Isopropylbenzene	12.325	105	191824	16.823	ug/l	100
74) N-amyl acetate	12.136	43	69528	18.206	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	49368	18.985	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	39427m	21.437	ug/l	
77) Bromobenzene	12.599	156	46917	18.025	ug/l	96
78) n-propylbenzene	12.666	91	228833	16.654	ug/l	100
79) 2-Chlorotoluene	12.751	91	132507	16.743	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	160230	16.826	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	15747	16.577	ug/l	98
82) 4-Chlorotoluene	12.849	91	138501	16.992	ug/l	100
83) tert-Butylbenzene	13.068	119	138390	16.383	ug/l	99
84) 1,2,4-Trimethylbenzene	13.111	105	162203	17.356	ug/l	99
85) sec-Butylbenzene	13.245	105	207046	16.708	ug/l	99
86) p-Isopropyltoluene	13.361	119	174655	17.263	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	93128	18.384	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	94257	18.568	ug/l	97
89) n-Butylbenzene	13.690	91	164025	16.664	ug/l	97
90) Hexachloroethane	13.952	117	32786	15.777	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	86574	18.653	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	10320	20.753	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	55331	18.780	ug/l	98
94) Hexachlorobutadiene	15.105	225	28777	17.774	ug/l	96
95) Naphthalene	15.226	128	138855	20.229	ug/l	98
96) 1,2,3-Trichlorobenzene	15.415	180	50110	19.137	ug/l	99

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

