

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014640.D
 Acq On : 14 Jul 2023 12:18
 Operator : SY/MD
 Sample : VY0714SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0714SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Quant Time: Jul 14 23:05:17 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	7.783	168	302680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	499401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	449551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	224447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	174748	50.664	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.320%		
35) Dibromofluoromethane	7.716	113	158285	49.790	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.580%		
50) Toluene-d8	10.173	98	572493	48.845	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.700%		
62) 4-Bromofluorobenzene	12.477	95	221090	49.196	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	57451	23.297	ug/l	97
3) Chloromethane	2.107	50	64068	23.113	ug/l	98
4) Vinyl Chloride	2.241	62	71098	22.950	ug/l	97
5) Bromomethane	2.619	94	43848	21.417	ug/l	97
6) Chloroethane	2.778	64	43550	22.505	ug/l	98
7) Trichlorofluoromethane	3.107	101	111334	21.398	ug/l	100
8) Diethyl Ether	3.522	74	41900	21.644	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	65845	20.647	ug/l	94
10) Methyl Iodide	4.076	142	59963	19.266	ug/l	97
11) Tert butyl alcohol	4.954	59	98718	128.164	ug/l #	87
12) 1,1-Dichloroethene	3.863	96	62071	20.825	ug/l	94
13) Acrolein	3.723	56	42187	117.022	ug/l	96
14) Allyl chloride	4.466	41	106854	20.191	ug/l	95
15) Acrylonitrile	5.155	53	132930	124.521	ug/l	98
16) Acetone	3.942	43	130035	118.971	ug/l	93
17) Carbon Disulfide	4.186	76	180218	21.119	ug/l	99
18) Methyl Acetate	4.473	43	105238	25.090	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	211543	21.849	ug/l	98
20) Methylene Chloride	4.710	84	76480	18.914	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	70684	20.897	ug/l	96
22) Diisopropyl ether	6.113	45	221137	20.552	ug/l	94
23) Vinyl Acetate	6.052	43	700164	108.740	ug/l	96
24) 1,1-Dichloroethane	6.009	63	125277	20.349	ug/l	98
25) 2-Butanone	6.984	43	203456	127.236	ug/l	97
26) 2,2-Dichloropropane	6.972	77	114585	19.529	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	81609	20.727	ug/l	95
28) Bromochloromethane	7.326	49	56563	21.333	ug/l	94
29) Tetrahydrofuran	7.344	42	127886	129.884	ug/l	92
30) Chloroform	7.503	83	130631	20.576	ug/l	97
31) Cyclohexane	7.777	56	115139	20.109	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	116747	20.432	ug/l	99
36) 1,1-Dichloropropene	7.911	75	97667	20.543	ug/l	99
37) Ethyl Acetate	7.070	43	80244	24.515	ug/l #	94
38) Carbon Tetrachloride	7.893	117	103602	20.615	ug/l	98
39) Methylcyclohexane	9.179	83	125659	20.288	ug/l	94
40) Benzene	8.155	78	280283	20.729	ug/l	99

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41) Methacrylonitrile	7.314	41	39037m	23.186	ug/l	
42) 1,2-Dichloroethane	8.234	62	91438	21.355	ug/l	93
43) Isopropyl Acetate	8.271	43	146198	23.447	ug/l	97
44) Trichloroethene	8.935	130	78948	20.869	ug/l	98
45) 1,2-Dichloropropane	9.210	63	72497	20.533	ug/l	97
46) Dibromomethane	9.301	93	46692	21.799	ug/l	95
47) Bromodichloromethane	9.490	83	105036	20.807	ug/l	98
48) Methyl methacrylate	9.289	41	66617	23.744	ug/l	93
49) 1,4-Dioxane	9.295	88	19193	549.542	ug/l #	52
51) 4-Methyl-2-Pentanone	10.063	43	411895	125.816	ug/l	93
52) Toluene	10.240	92	178221	20.598	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	115768	20.965	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	125067	20.827	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	64946	21.768	ug/l	95
56) Ethyl methacrylate	10.508	69	103936	22.816	ug/l	91
57) 1,3-Dichloropropane	10.789	76	110694	21.510	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.777	63	253005	119.197	ug/l	95
59) 2-Hexanone	10.825	43	309593	129.677	ug/l	92
60) Dibromochloromethane	10.984	129	77801	21.268	ug/l	100
61) 1,2-Dibromoethane	11.081	107	66578	22.369	ug/l	100
64) Tetrachloroethene	10.715	164	77516	21.439	ug/l	98
65) Chlorobenzene	11.514	112	194461	20.299	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	74954	20.751	ug/l	100
67) Ethyl Benzene	11.587	91	346994	20.062	ug/l	99
68) m/p-Xylenes	11.697	106	266658	40.388	ug/l	98
69) o-Xylene	12.026	106	129579	20.150	ug/l	100
70) Styrene	12.038	104	222452	20.524	ug/l	98
71) Bromoform	12.203	173	54495	22.258	ug/l #	98
73) Isopropylbenzene	12.325	105	343704	19.557	ug/l	100
74) N-amyl acetate	12.142	43	128827	21.887	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	87588	21.855	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	62255m	21.962	ug/l	
77) Bromobenzene	12.605	156	81181	20.236	ug/l	93
78) n-propylbenzene	12.666	91	415379	19.614	ug/l	100
79) 2-Chlorotoluene	12.752	91	237110	19.439	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	289191	19.704	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	32236	22.018	ug/l	94
82) 4-Chlorotoluene	12.849	91	247000	19.662	ug/l	99
83) tert-Butylbenzene	13.075	119	254250	19.528	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	281707	19.558	ug/l	98
85) sec-Butylbenzene	13.251	105	374371	19.602	ug/l	100
86) p-Isopropyltoluene	13.367	119	312103	20.015	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	158939	20.357	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	158173	20.217	ug/l	98
89) n-Butylbenzene	13.697	91	300308	19.795	ug/l	97
90) Hexachloroethane	13.959	117	62821	19.614	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	146573	20.490	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18276	23.846	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	92643	20.402	ug/l	97
94) Hexachlorobutadiene	15.111	225	50408	20.201	ug/l	98
95) Naphthalene	15.233	128	239861	22.673	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	83672	20.733	ug/l	98

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

