

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014735.D
 Acq On : 21 Jul 2023 10:36
 Operator : SY/MD
 Sample : VY0721SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0721SBS01

Quant Time: Jul 22 05:31:50 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

Manual Integrations APPROVED

Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	247325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	406685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	357774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	145554	51.645	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.280%			
35) Dibromofluoromethane	7.716	113	134102	51.800	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.600%			
50) Toluene-d8	10.179	98	480902	50.385	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.483	95	182179	49.779	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	44885	22.276	ug/l	94
3) Chloromethane	2.113	50	55918	24.687	ug/l	98
4) Vinyl Chloride	2.247	62	64229	25.373	ug/l	96
5) Bromomethane	2.631	94	44977	26.886	ug/l	99
6) Chloroethane	2.783	64	40158	25.397	ug/l	92
7) Trichlorofluoromethane	3.119	101	91904	21.617	ug/l	98
8) Diethyl Ether	3.527	74	32983	20.851	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	54198	20.798	ug/l	97
10) Methyl Iodide	4.088	142	52532	20.485	ug/l	98
11) Tert butyl alcohol	4.954	59	63522	97.497	ug/l #	88
12) 1,1-Dichloroethene	3.869	96	49874	20.478	ug/l	94
13) Acrolein	3.728	56	27350	92.846	ug/l	97
14) Allyl chloride	4.472	41	81790	18.914	ug/l	97
15) Acrylonitrile	5.161	53	93646	107.355	ug/l	99
16) Acetone	3.948	43	92821	103.931	ug/l	94
17) Carbon Disulfide	4.192	76	141043	20.228	ug/l	100
18) Methyl Acetate	4.478	43	76075	22.197	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	166665	21.066	ug/l	99
20) Methylene Chloride	4.716	84	58029	17.234	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	56286	20.365	ug/l	88
22) Diisopropyl ether	6.118	45	171870	19.549	ug/l	94
23) Vinyl Acetate	6.057	43	522973	99.399	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	101828	20.242	ug/l	96
25) 2-Butanone	6.990	43	140490	107.523	ug/l	95
26) 2,2-Dichloropropane	6.978	77	95448	19.908	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	66728	20.741	ug/l	94
28) Bromochloromethane	7.331	49	45931	21.200	ug/l	91
29) Tetrahydrofuran	7.350	42	88173	109.593	ug/l	93
30) Chloroform	7.508	83	106093	20.451	ug/l	92
31) Cyclohexane	7.783	56	89774	19.189	ug/l	87
32) 1,1,1-Trichloroethane	7.703	97	96313	20.629	ug/l	98
36) 1,1-Dichloropropene	7.917	75	79359	20.498	ug/l	99
37) Ethyl Acetate	7.075	43	57017	21.390	ug/l #	94
38) Carbon Tetrachloride	7.898	117	84990	20.767	ug/l	98
39) Methylcyclohexane	9.185	83	101321	20.088	ug/l	95
40) Benzene	8.161	78	227389	20.651	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	26501m	19.329	ug/l	
42) 1,2-Dichloroethane	8.240	62	73221	20.999	ug/l	95
43) Isopropyl Acetate	8.276	43	104894	20.658	ug/l	96
44) Trichloroethene	8.941	130	63510	20.615	ug/l	100
45) 1,2-Dichloropropane	9.221	63	57621	20.041	ug/l	98
46) Dibromomethane	9.307	93	37185	21.319	ug/l	98
47) Bromodichloromethane	9.496	83	84401	20.531	ug/l	100
48) Methyl methacrylate	9.294	41	46090	20.172	ug/l	90
49) 1,4-Dioxane	9.301	88	12889	453.178	ug/l #	54
51) 4-Methyl-2-Pentanone	10.069	43	283816	106.458	ug/l	93
52) Toluene	10.246	92	143865	20.418	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	90832	20.199	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	99316	20.310	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	52385	21.561	ug/l	95
56) Ethyl methacrylate	10.508	69	76657	20.664	ug/l	89
57) 1,3-Dichloropropane	10.788	76	87005	20.762	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	196134	113.470	ug/l	94
59) 2-Hexanone	10.831	43	209468	107.741	ug/l	92
60) Dibromochloromethane	10.983	129	63044	21.163	ug/l	99
61) 1,2-Dibromoethane	11.087	107	51300	21.165	ug/l	100
64) Tetrachloroethene	10.721	164	63098	21.928	ug/l	97
65) Chlorobenzene	11.514	112	158686	20.814	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	59763	20.790	ug/l	98
67) Ethyl Benzene	11.593	91	278800	20.254	ug/l	99
68) m/p-Xylenes	11.703	106	217490	41.391	ug/l	95
69) o-Xylene	12.032	106	105620	20.637	ug/l	97
70) Styrene	12.044	104	178465	20.689	ug/l	98
71) Bromoform	12.209	173	41431	21.263	ug/l #	99
73) Isopropylbenzene	12.331	105	278795	19.742	ug/l	100
74) N-amyl acetate	12.142	43	93107	19.686	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	65563	20.359	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	51900m	22.785	ug/l	
77) Bromobenzene	12.611	156	66465	20.619	ug/l	98
78) n-propylbenzene	12.672	91	337696	19.845	ug/l	100
79) 2-Chlorotoluene	12.757	91	191994	19.588	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	235067	19.932	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	23303	19.808	ug/l	92
82) 4-Chlorotoluene	12.855	91	197059	19.522	ug/l	100
83) tert-Butylbenzene	13.074	119	204898	19.585	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	233166	20.145	ug/l	99
85) sec-Butylbenzene	13.251	105	308614	20.109	ug/l	100
86) p-Isopropyltoluene	13.367	119	256854	20.499	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	130020	20.724	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	129329	20.571	ug/l	98
89) n-Butylbenzene	13.696	91	243453	19.971	ug/l	97
90) Hexachloroethane	13.958	117	49903	19.390	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	118613	20.635	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12678	20.586	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	73547	20.157	ug/l	98
94) Hexachlorobutadiene	15.111	225	41005	20.450	ug/l	97
95) Naphthalene	15.232	128	175733	20.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	64721	19.958	ug/l	98

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

