

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014304.D
 Acq On : 21 Jun 2023 00:28
 Operator : KP/MD
 Sample : VY0620SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0620SBS02

Quant Time: Jun 21 02:11:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/22/2023
 Supervised By :Mahesh Dadoda 06/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	191176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	288568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	261655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	136076	51.115	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.220%			
35) Dibromofluoromethane	7.728	113	114485	55.943	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.880%			
50) Toluene-d8	10.185	98	356012	46.532	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.060%			
62) 4-Bromofluorobenzene	12.483	95	134794	49.596	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48311	22.675	ug/l	98
3) Chloromethane	2.119	50	49082	18.168	ug/l	97
4) Vinyl Chloride	2.253	62	48720	18.549	ug/l	99
5) Bromomethane	2.644	94	38080	17.572	ug/l	99
6) Chloroethane	2.790	64	32763	18.357	ug/l	99
7) Trichlorofluoromethane	3.131	101	91327	21.403	ug/l	96
8) Diethyl Ether	3.534	74	30403	21.338	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	46987	21.819	ug/l	97
10) Methyl Iodide	4.095	142	47819	16.816	ug/l	98
11) Tert butyl alcohol	4.966	59	47030	143.904	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	43273	19.825	ug/l	92
13) Acrolein	3.741	56	15452	103.422	ug/l	98
14) Allyl chloride	4.497	41	75345	19.043	ug/l	99
15) Acrylonitrile	5.168	53	89953	122.398	ug/l	99
16) Acetone	3.954	43	80319	100.091	ug/l	99
17) Carbon Disulfide	4.204	76	115152	16.280	ug/l	99
18) Methyl Acetate	4.485	43	80876	25.966	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	141896	22.041	ug/l	97
20) Methylene Chloride	4.729	84	69519	25.370	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	46871	19.252	ug/l	93
22) Diisopropyl ether	6.131	45	163029	21.520	ug/l	97
23) Vinyl Acetate	6.070	43	458977	102.684	ug/l	100
24) 1,1-Dichloroethane	6.027	63	90844	20.798	ug/l	97
25) 2-Butanone	6.996	43	124423	125.961	ug/l	98
26) 2,2-Dichloropropane	6.990	77	75416	18.383	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	55690	20.448	ug/l	99
28) Bromochloromethane	7.338	49	36665	20.642	ug/l	94
29) Tetrahydrofuran	7.356	42	80020	127.752	ug/l	97
30) Chloroform	7.515	83	100414	21.670	ug/l	97
31) Cyclohexane	7.795	56	66954	18.774	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	88387	21.148	ug/l	100
36) 1,1-Dichloropropene	7.929	75	62378	19.551	ug/l	98
37) Ethyl Acetate	7.088	43	51335	23.320	ug/l	97
38) Carbon Tetrachloride	7.911	117	80400	21.838	ug/l	94
39) Methylcyclohexane	9.191	83	68904	19.465	ug/l	97
40) Benzene	8.167	78	197271	20.794	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	24073m	21.427	ug/l	
42) 1,2-Dichloroethane	8.246	62	75656	22.551	ug/l	100
43) Isopropyl Acetate	8.283	43	92585	23.996	ug/l	98
44) Trichloroethene	8.947	130	51577	20.348	ug/l	94
45) 1,2-Dichloropropane	9.222	63	50940	21.139	ug/l	97
46) Dibromomethane	9.313	93	32758	22.084	ug/l	98
47) Bromodichloromethane	9.502	83	76754	22.099	ug/l	97
48) Methyl methacrylate	9.301	41	41166	22.875	ug/l	97
49) 1,4-Dioxane	9.301	88	10102	535.974	ug/l #	56
51) 4-Methyl-2-Pentanone	10.075	43	269266	128.456	ug/l	99
52) Toluene	10.252	92	116471	19.804	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	76201	20.842	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	81909	20.533	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	45542	23.148	ug/l	98
56) Ethyl methacrylate	10.514	69	61101	22.516	ug/l	97
57) 1,3-Dichloropropane	10.795	76	76384	22.700	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	79155	86.423	ug/l	97
59) 2-Hexanone	10.837	43	191413	126.431	ug/l	100
60) Dibromochloromethane	10.990	129	58235	23.126	ug/l	99
61) 1,2-Dibromoethane	11.093	107	44100	22.712	ug/l	100
64) Tetrachloroethene	10.727	164	51877	23.261	ug/l	97
65) Chlorobenzene	11.520	112	127411	20.265	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	54653	22.101	ug/l	99
67) Ethyl Benzene	11.599	91	207377	18.844	ug/l	99
68) m/p-Xylenes	11.709	106	160376	37.887	ug/l	98
69) o-Xylene	12.032	106	77620	19.395	ug/l	99
70) Styrene	12.050	104	139553	20.431	ug/l	98
71) Bromoform	12.209	173	41135	24.289	ug/l #	99
73) Isopropylbenzene	12.337	105	195706	18.861	ug/l	100
74) N-amyl acetate	12.148	43	76574	23.288	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	57400	24.757	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	44321m	24.837	ug/l	
77) Bromobenzene	12.611	156	57228	20.984	ug/l	100
78) n-propylbenzene	12.672	91	226541	17.875	ug/l	99
79) 2-Chlorotoluene	12.758	91	141404	19.391	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	166013	18.686	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	18911	22.907	ug/l	99
82) 4-Chlorotoluene	12.861	91	148080	19.162	ug/l	100
83) tert-Butylbenzene	13.081	119	141485	18.740	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	163951	18.642	ug/l	99
85) sec-Butylbenzene	13.258	105	195839	17.841	ug/l	99
86) p-Isopropyltoluene	13.373	119	161229	17.162	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	103719	19.919	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	102242	19.489	ug/l	99
89) n-Butylbenzene	13.703	91	139010	15.954	ug/l	99
90) Hexachloroethane	13.965	117	35188	18.797	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	99175	21.207	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11642	26.368	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	57475	19.401	ug/l	99
94) Hexachlorobutadiene	15.111	225	28190	16.482	ug/l	98
95) Naphthalene	15.239	128	134513	22.369	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	54130	20.220	ug/l	99

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

