

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014354.D
 Acq On : 21 Jun 2023 23:30
 Operator : KP/MD
 Sample : VY0621SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0621SBS02

Quant Time: Jun 22 02:00:23 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	194412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	298365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	286148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	138198	51.048	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.100%			
35) Dibromofluoromethane	7.728	113	112220	53.036	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.080%			
50) Toluene-d8	10.185	98	376920	47.647	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.300%			
62) 4-Bromofluorobenzene	12.483	95	154750	55.069	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	43093	19.889	ug/l	96
3) Chloromethane	2.113	50	40915	14.893	ug/l	100
4) Vinyl Chloride	2.253	62	43507	16.288	ug/l	96
5) Bromomethane	2.637	94	36944	16.764	ug/l	97
6) Chloroethane	2.790	64	30030	16.545	ug/l	96
7) Trichlorofluoromethane	3.125	101	88567	20.410	ug/l	93
8) Diethyl Ether	3.534	74	29486	20.350	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	44272	20.216	ug/l	99
10) Methyl Iodide	4.101	142	42658	14.751	ug/l	99
11) Tert butyl alcohol	4.954	59	76844	244.758	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	41356	18.631	ug/l	92
13) Acrolein	3.741	56	17733	124.317	ug/l	99
14) Allyl chloride	4.491	41	71188	17.692	ug/l	99
15) Acrylonitrile	5.174	53	97299	130.190	ug/l	99
16) Acetone	3.960	43	88658	108.644	ug/l	95
17) Carbon Disulfide	4.198	76	106622	14.823	ug/l	99
18) Methyl Acetate	4.485	43	93854	29.631	ug/l	97
19) Methyl tert-butyl Ether	5.234	73	140369	21.441	ug/l	100
20) Methylene Chloride	4.722	84	90552	33.580	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	44357	17.916	ug/l	98
22) Diisopropyl ether	6.131	45	152647	19.814	ug/l	93
23) Vinyl Acetate	6.070	43	431279	94.882	ug/l	99
24) 1,1-Dichloroethane	6.027	63	85469	19.242	ug/l	97
25) 2-Butanone	6.996	43	136331	135.719	ug/l	97
26) 2,2-Dichloropropane	6.990	77	77369	18.545	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	53980	19.490	ug/l	99
28) Bromochloromethane	7.344	49	36963	20.463	ug/l	91
29) Tetrahydrofuran	7.356	42	87853	137.923	ug/l	96
30) Chloroform	7.515	83	97952	20.786	ug/l	97
31) Cyclohexane	7.795	56	66432	18.318	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	87711	20.637	ug/l	99
36) 1,1-Dichloropropene	7.929	75	65388	19.822	ug/l	99
37) Ethyl Acetate	7.082	43	53158	23.355	ug/l	95
38) Carbon Tetrachloride	7.905	117	80862	21.242	ug/l	97
39) Methylcyclohexane	9.191	83	69204	18.908	ug/l	91
40) Benzene	8.167	78	196394	20.021	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	25428m	21.890	ug/l	
42) 1,2-Dichloroethane	8.246	62	75483	21.761	ug/l	99
43) Isopropyl Acetate	8.277	43	88999	22.309	ug/l	97
44) Trichloroethene	8.947	130	53742	20.506	ug/l	100
45) 1,2-Dichloropropane	9.222	63	50582	20.301	ug/l	98
46) Dibromomethane	9.313	93	32341	21.087	ug/l	96
47) Bromodichloromethane	9.502	83	76947	21.428	ug/l	98
48) Methyl methacrylate	9.295	41	42578	22.883	ug/l	96
49) 1,4-Dioxane	9.307	88	10915	560.094	ug/l #	58
51) 4-Methyl-2-Pentanone	10.075	43	291149	134.335	ug/l	99
52) Toluene	10.252	92	124195	20.424	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	79715	21.087	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	82127	19.912	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	46422	22.820	ug/l	97
56) Ethyl methacrylate	10.514	69	63918	22.780	ug/l	94
57) 1,3-Dichloropropane	10.794	76	76035	21.854	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	83755	87.774	ug/l	96
59) 2-Hexanone	10.837	43	213297	136.259	ug/l	99
60) Dibromochloromethane	10.990	129	58979	22.653	ug/l	98
61) 1,2-Dibromoethane	11.093	107	45322	22.575	ug/l	100
64) Tetrachloroethene	10.721	164	58459	23.968	ug/l	96
65) Chlorobenzene	11.520	112	137993	20.070	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	56788	20.999	ug/l	99
67) Ethyl Benzene	11.593	91	238315	19.802	ug/l	99
68) m/p-Xylenes	11.709	106	185497	40.071	ug/l	99
69) o-Xylene	12.032	106	89330	20.411	ug/l	100
70) Styrene	12.050	104	156978	21.015	ug/l	99
71) Bromoform	12.215	173	43963	23.737	ug/l #	99
73) Isopropylbenzene	12.331	105	234717	18.556	ug/l	99
74) N-amyl acetate	12.148	43	77987	19.456	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	59347	20.997	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	44991m	20.681	ug/l	
77) Bromobenzene	12.611	156	61710	18.562	ug/l	99
78) n-propylbenzene	12.672	91	288232	18.656	ug/l	100
79) 2-Chlorotoluene	12.758	91	167628	18.856	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	203595	18.798	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	19676	19.551	ug/l	94
82) 4-Chlorotoluene	12.855	91	174782	18.553	ug/l	98
83) tert-Butylbenzene	13.081	119	174910	19.004	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	205615	19.178	ug/l	100
85) sec-Butylbenzene	13.257	105	254681	19.032	ug/l	99
86) p-Isopropyltoluene	13.373	119	213864	18.674	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	122688	19.328	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	124238	19.426	ug/l	99
89) n-Butylbenzene	13.696	91	197167	18.562	ug/l	100
90) Hexachloroethane	13.965	117	44775	19.621	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	111384	19.537	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13205	24.534	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	68685	19.018	ug/l	97
94) Hexachlorobutadiene	15.111	225	41009	19.668	ug/l	97
95) Naphthalene	15.239	128	158605	21.636	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	64781	19.850	ug/l	99

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

