

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014303.D
 Acq On : 21 Jun 2023 00:05
 Operator : KP/MD
 Sample : VY0620SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0620SBS02

Quant Time: Jun 21 02:11:23 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	7.801	168	182412	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	273855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	246934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	127566	50.221	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.440%			
35) Dibromofluoromethane	7.728	113	110204	56.744	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.480%			
50) Toluene-d8	10.185	98	334606	46.084	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.160%			
62) 4-Bromofluorobenzene	12.489	95	129660	50.270	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	46113	22.683	ug/l	98
3) Chloromethane	2.119	50	44899	17.418	ug/l	100
4) Vinyl Chloride	2.253	62	46000	18.355	ug/l	95
5) Bromomethane	2.643	94	37597	18.182	ug/l	94
6) Chloroethane	2.790	64	31242	18.346	ug/l	97
7) Trichlorofluoromethane	3.131	101	87525	21.497	ug/l	98
8) Diethyl Ether	3.534	74	28715	21.122	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	45302	22.047	ug/l	96
10) Methyl Iodide	4.094	142	44024	16.225	ug/l	96
11) Tert butyl alcohol	4.966	59	44893	143.974	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	41263	19.812	ug/l	95
13) Acrolein	3.735	56	18073	139.645	ug/l	98
14) Allyl chloride	4.491	41	70516	18.678	ug/l	98
15) Acrylonitrile	5.173	53	88695	126.484	ug/l	100
16) Acetone	3.954	43	76870	100.396	ug/l	98
17) Carbon Disulfide	4.204	76	110557	16.381	ug/l	98
18) Methyl Acetate	4.491	43	74366	25.023	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	136848	22.278	ug/l	99
20) Methylene Chloride	4.722	84	67374	25.829	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	44804	19.287	ug/l	99
22) Diisopropyl ether	6.131	45	157031	21.724	ug/l	96
23) Vinyl Acetate	6.070	43	452554	106.112	ug/l	99
24) 1,1-Dichloroethane	6.027	63	89618	21.503	ug/l	98
25) 2-Butanone	6.996	43	119626	126.923	ug/l	99
26) 2,2-Dichloropropane	6.990	77	73743	18.839	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	54562	20.996	ug/l	99
28) Bromochloromethane	7.344	49	34373	20.281	ug/l	92
29) Tetrahydrofuran	7.356	42	77118	129.035	ug/l	97
30) Chloroform	7.515	83	96578	21.843	ug/l	93
31) Cyclohexane	7.795	56	66504	19.544	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	84923	21.296	ug/l	98
36) 1,1-Dichloropropene	7.929	75	61360	20.266	ug/l	99
37) Ethyl Acetate	7.088	43	51162	24.490	ug/l	97
38) Carbon Tetrachloride	7.911	117	78206	22.383	ug/l	96
39) Methylcyclohexane	9.191	83	67721	20.159	ug/l	99
40) Benzene	8.167	78	191225	21.239	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	22671m	21.264	ug/l	
42) 1,2-Dichloroethane	8.246	62	73783	23.174	ug/l	99
43) Isopropyl Acetate	8.283	43	88013	24.037	ug/l	99
44) Trichloroethene	8.947	130	50686	21.071	ug/l	94
45) 1,2-Dichloropropane	9.222	63	50182	21.943	ug/l	97
46) Dibromomethane	9.313	93	31783	22.578	ug/l	98
47) Bromodichloromethane	9.502	83	73998	22.451	ug/l	99
48) Methyl methacrylate	9.301	41	39458	23.104	ug/l	95
49) 1,4-Dioxane	9.307	88	9188	513.671	ug/l #	51
51) 4-Methyl-2-Pentanone	10.075	43	261220	131.313	ug/l	98
52) Toluene	10.252	92	113848	20.398	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	73871	21.290	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	77238	20.402	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	44261	23.705	ug/l	97
56) Ethyl methacrylate	10.514	69	61021	23.694	ug/l	96
57) 1,3-Dichloropropane	10.794	76	73178	22.916	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	82615	92.191	ug/l	98
59) 2-Hexanone	10.837	43	186879	130.068	ug/l	99
60) Dibromochloromethane	10.990	129	56398	23.600	ug/l	99
61) 1,2-Dibromoethane	11.093	107	43459	23.584	ug/l	97
64) Tetrachloroethene	10.727	164	50177	23.840	ug/l	96
65) Chlorobenzene	11.520	112	122407	20.630	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	52255	22.391	ug/l	99
67) Ethyl Benzene	11.599	91	199633	19.222	ug/l	99
68) m/p-Xylenes	11.709	106	156012	39.054	ug/l	97
69) o-Xylene	12.032	106	76255	20.190	ug/l	98
70) Styrene	12.050	104	134475	20.861	ug/l	99
71) Bromoform	12.215	173	41492	25.960	ug/l #	98
73) Isopropylbenzene	12.337	105	187112	18.968	ug/l	99
74) N-amyl acetate	12.148	43	74984	23.987	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	56268	25.528	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	43259m	25.499	ug/l	
77) Bromobenzene	12.611	156	56168	21.664	ug/l	98
78) n-propylbenzene	12.678	91	218174	18.108	ug/l	100
79) 2-Chlorotoluene	12.757	91	134979	19.470	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	159551	18.890	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	18230	23.228	ug/l	97
82) 4-Chlorotoluene	12.861	91	141538	19.266	ug/l	98
83) tert-Butylbenzene	13.081	119	133112	18.545	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	158769	18.989	ug/l	100
85) sec-Butylbenzene	13.257	105	186683	17.889	ug/l	100
86) p-Isopropyltoluene	13.373	119	154830	17.336	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	99642	20.129	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	98717	19.793	ug/l	99
89) n-Butylbenzene	13.702	91	134671	16.258	ug/l	99
90) Hexachloroethane	13.965	117	33745	18.962	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	97716	21.979	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11569	27.562	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	55509	19.709	ug/l	99
94) Hexachlorobutadiene	15.117	225	27782	17.086	ug/l	98
95) Naphthalene	15.239	128	135598	23.719	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	54141	21.273	ug/l	99

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

