

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014376.D
 Acq On : 22 Jun 2023 14:04
 Operator : KP/MD
 Sample : VY0622SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0622SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/23/2023
 Supervised By :Mahesh Dadoda 06/23/2023

Quant Time: Jun 22 17:18:51 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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	204133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	298245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	285955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	129763	45.650	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.300%		
35) Dibromofluoromethane	7.722	113	109209	51.633	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.260%		
50) Toluene-d8	10.185	98	374421	47.350	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.700%		
62) 4-Bromofluorobenzene	12.483	95	153714	54.723	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	109.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	46596	20.482	ug/l	99
3) Chloromethane	2.119	50	42128	14.604	ug/l	100
4) Vinyl Chloride	2.253	62	45940	16.380	ug/l	98
5) Bromomethane	2.637	94	43846	18.948	ug/l	99
6) Chloroethane	2.796	64	30734	16.127	ug/l	100
7) Trichlorofluoromethane	3.125	101	94742	20.794	ug/l	99
8) Diethyl Ether	3.540	74	28345	18.631	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	47811	20.792	ug/l	98
10) Methyl Iodide	4.101	142	36913	12.157	ug/l	96
11) Tert butyl alcohol	4.960	59	61869	182.471	ug/l #	90
12) 1,1-Dichloroethene	3.875	96	43987	18.873	ug/l	93
13) Acrolein	3.741	56	18131	119.569	ug/l	96
14) Allyl chloride	4.485	41	72744	17.218	ug/l	96
15) Acrylonitrile	5.174	53	83998	107.040	ug/l	99
16) Acetone	3.954	43	92656	108.137	ug/l	97
17) Carbon Disulfide	4.204	76	113687	15.053	ug/l	96
18) Methyl Acetate	4.485	43	64968	19.534	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	139445	20.285	ug/l	96
20) Methylene Chloride	4.722	84	75270	25.779	ug/l	96
21) trans-1,2-Dichloroethene	5.235	96	47267	18.182	ug/l	99
22) Diisopropyl ether	6.131	45	152351	18.834	ug/l	93
23) Vinyl Acetate	6.070	43	447527	93.768	ug/l	98
24) 1,1-Dichloroethane	6.027	63	90212	19.343	ug/l	98
25) 2-Butanone	6.996	43	120731	114.465	ug/l	99
26) 2,2-Dichloropropane	6.984	77	94421	21.555	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	55852	19.206	ug/l	97
28) Bromochloromethane	7.344	49	35137	18.526	ug/l	90
29) Tetrahydrofuran	7.356	42	71856	107.437	ug/l	95
30) Chloroform	7.515	83	100650	20.342	ug/l	99
31) Cyclohexane	7.795	56	69852	18.344	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	92599	20.750	ug/l	98
36) 1,1-Dichloropropene	7.929	75	68148	20.667	ug/l	99
37) Ethyl Acetate	7.082	43	49947	21.953	ug/l	99
38) Carbon Tetrachloride	7.905	117	86290	22.677	ug/l	97
39) Methylcyclohexane	9.191	83	75610	20.667	ug/l	93
40) Benzene	8.167	78	201468	20.547	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	27047m	23.293	ug/l	
42) 1,2-Dichloroethane	8.240	62	74983	21.625	ug/l	100
43) Isopropyl Acetate	8.283	43	86719	21.747	ug/l	97
44) Trichloroethene	8.947	130	55984	21.370	ug/l	93
45) 1,2-Dichloropropane	9.222	63	49609	19.919	ug/l	95
46) Dibromomethane	9.313	93	31710	20.684	ug/l	98
47) Bromodichloromethane	9.502	83	79229	22.072	ug/l	97
48) Methyl methacrylate	9.301	41	39826	21.413	ug/l	98
49) 1,4-Dioxane	9.301	88	9042	464.169	ug/l #	33
51) 4-Methyl-2-Pentanone	10.075	43	248356	114.637	ug/l	98
52) Toluene	10.252	92	129784	21.352	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	81017	21.440	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	84551	20.508	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	44398	21.834	ug/l	96
56) Ethyl methacrylate	10.514	69	61510	21.931	ug/l	94
57) 1,3-Dichloropropane	10.795	76	74338	21.375	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	78224	83.890	ug/l	95
59) 2-Hexanone	10.837	43	186928	119.462	ug/l	99
60) Dibromochloromethane	10.990	129	60652	23.305	ug/l	97
61) 1,2-Dibromoethane	11.093	107	43147	21.500	ug/l	98
64) Tetrachloroethene	10.727	164	60776	24.935	ug/l	98
65) Chlorobenzene	11.520	112	145821	21.223	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	58335	21.585	ug/l	99
67) Ethyl Benzene	11.599	91	256660	21.340	ug/l	100
68) m/p-Xylenes	11.709	106	197974	42.795	ug/l	99
69) o-Xylene	12.032	106	94923	21.703	ug/l	99
70) Styrene	12.050	104	163590	21.915	ug/l	100
71) Bromoform	12.215	173	43210	23.346	ug/l #	97
73) Isopropylbenzene	12.337	105	258292	20.109	ug/l	100
74) N-amyl acetate	12.148	43	78174	19.206	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	55797	19.441	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	44266m	20.039	ug/l	
77) Bromobenzene	12.611	156	65436	19.383	ug/l	96
78) n-propylbenzene	12.678	91	316038	20.145	ug/l	99
79) 2-Chlorotoluene	12.764	91	178362	19.759	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	224183	20.384	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	20634	20.192	ug/l	96
82) 4-Chlorotoluene	12.861	91	189557	19.816	ug/l	98
83) tert-Butylbenzene	13.081	119	189280	20.253	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	221200	20.319	ug/l	100
85) sec-Butylbenzene	13.257	105	288231	21.213	ug/l	99
86) p-Isopropyltoluene	13.373	119	242874	20.885	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	128583	19.949	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	129259	19.904	ug/l	98
89) n-Butylbenzene	13.703	91	226623	21.011	ug/l	99
90) Hexachloroethane	13.965	117	47612	20.547	ug/l	92
91) 1,2-Dichlorobenzene	13.745	146	118865	20.533	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11620	21.261	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	74388	20.284	ug/l	98
94) Hexachlorobutadiene	15.117	225	47732	22.545	ug/l	98
95) Naphthalene	15.239	128	149658	20.106	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	67284	20.304	ug/l	99

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

