

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014330.D
 Acq On : 21 Jun 2023 12:59
 Operator : KP/MD
 Sample : VY0621SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0621SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 22 01:56:23 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	220882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	322858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	306441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	140322	45.621	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.240%		
35) Dibromofluoromethane	7.715	113	118719	51.851	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.700%		
50) Toluene-d8	10.178	98	404517	47.257	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.520%		
62) 4-Bromofluorobenzene	12.477	95	164661	54.151	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	108.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	49100	19.946	ug/l	98
3) Chloromethane	2.113	50	46142	14.783	ug/l	98
4) Vinyl Chloride	2.247	62	48825	16.089	ug/l	100
5) Bromomethane	2.631	94	36640	14.633	ug/l	99
6) Chloroethane	2.790	64	31254	15.156	ug/l	95
7) Trichlorofluoromethane	3.119	101	95496	19.370	ug/l	99
8) Diethyl Ether	3.527	74	28165	17.109	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	48820	19.621	ug/l	98
10) Methyl Iodide	4.082	142	48128	14.649	ug/l	96
11) Tert butyl alcohol	4.935	59	71550	196.557	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	43574	17.278	ug/l	93
13) Acrolein	3.722	56	18424	108.695	ug/l	99
14) Allyl chloride	4.478	41	74524	16.302	ug/l	97
15) Acrylonitrile	5.155	53	87383	102.910	ug/l	98
16) Acetone	3.948	43	90057	97.134	ug/l	96
17) Carbon Disulfide	4.192	76	117605	14.391	ug/l	100
18) Methyl Acetate	4.478	43	70522	19.596	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	138231	18.584	ug/l	99
20) Methylene Chloride	4.710	84	71166	22.038	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	47593	16.920	ug/l	95
22) Diisopropyl ether	6.118	45	154696	17.674	ug/l	98
23) Vinyl Acetate	6.057	43	455253	88.153	ug/l	97
24) 1,1-Dichloroethane	6.015	63	90011	17.836	ug/l	99
25) 2-Butanone	6.984	43	123552	108.258	ug/l	98
26) 2,2-Dichloropropane	6.984	77	92226	19.457	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	55326	17.582	ug/l	98
28) Bromochloromethane	7.331	49	37280	18.165	ug/l	92
29) Tetrahydrofuran	7.344	42	74664	103.170	ug/l	96
30) Chloroform	7.502	83	99884	18.656	ug/l	97
31) Cyclohexane	7.783	56	73929	17.942	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	93465	19.356	ug/l	99
36) 1,1-Dichloropropene	7.917	75	67442	18.894	ug/l	97
37) Ethyl Acetate	7.075	43	49595	20.136	ug/l	97
38) Carbon Tetrachloride	7.898	117	85382	20.728	ug/l	97
39) Methylcyclohexane	9.185	83	76705	19.368	ug/l	96
40) Benzene	8.154	78	200425	18.882	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	25985m	20.673	ug/l	
42) 1,2-Dichloroethane	8.234	62	72630	19.350	ug/l	100
43) Isopropyl Acetate	8.270	43	87855	20.352	ug/l	97
44) Trichloroethene	8.941	130	56812	20.033	ug/l	91
45) 1,2-Dichloropropane	9.215	63	50143	18.598	ug/l	97
46) Dibromomethane	9.301	93	31961	19.258	ug/l	98
47) Bromodichloromethane	9.496	83	76267	19.627	ug/l	97
48) Methyl methacrylate	9.294	41	39267	19.503	ug/l	95
49) 1,4-Dioxane	9.301	88	10257	486.400	ug/l #	62
51) 4-Methyl-2-Pentanone	10.069	43	253745	108.195	ug/l	98
52) Toluene	10.239	92	125886	19.132	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	77634	18.978	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	84551	18.944	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	45484	20.663	ug/l	95
56) Ethyl methacrylate	10.508	69	60357	19.879	ug/l	94
57) 1,3-Dichloropropane	10.788	76	73677	19.570	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	81847	82.041	ug/l	97
59) 2-Hexanone	10.831	43	187738	110.833	ug/l	99
60) Dibromochloromethane	10.983	129	57597	20.444	ug/l	100
61) 1,2-Dibromoethane	11.087	107	44061	20.282	ug/l	97
64) Tetrachloroethene	10.715	164	59246	22.682	ug/l	95
65) Chlorobenzene	11.514	112	139374	18.928	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	56321	19.447	ug/l	100
67) Ethyl Benzene	11.593	91	248204	19.258	ug/l	100
68) m/p-Xylenes	11.703	106	192416	38.813	ug/l	99
69) o-Xylene	12.026	106	90587	19.327	ug/l	99
70) Styrene	12.044	104	157457	19.683	ug/l	99
71) Bromoform	12.202	173	41919	21.135	ug/l #	98
73) Isopropylbenzene	12.330	105	247912	18.524	ug/l	99
74) N-amyl acetate	12.142	43	77686	18.318	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.580	83	56980	19.054	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	44348m	19.268	ug/l	
77) Bromobenzene	12.605	156	64003	18.196	ug/l	95
78) n-propylbenzene	12.672	91	301852	18.466	ug/l	99
79) 2-Chlorotoluene	12.757	91	173497	18.446	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	211653	18.470	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	19826	18.620	ug/l	93
82) 4-Chlorotoluene	12.855	91	182980	18.358	ug/l	99
83) tert-Butylbenzene	13.074	119	181251	18.613	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	212408	18.726	ug/l	100
85) sec-Butylbenzene	13.251	105	272312	19.234	ug/l	99
86) p-Isopropyltoluene	13.367	119	229533	18.944	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	125982	18.759	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	123676	18.278	ug/l	98
89) n-Butylbenzene	13.696	91	211451	18.815	ug/l	99
90) Hexachloroethane	13.958	117	45256	18.744	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	113911	18.885	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11753	20.639	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	71185	18.630	ug/l	99
94) Hexachlorobutadiene	15.110	225	43014	19.499	ug/l	98
95) Naphthalene	15.232	128	144019	18.569	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	62797	18.187	ug/l	98

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

