

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030323\
 Data File : VY012792.D
 Acq On : 03 Mar 2023 13:48
 Operator : KP/MD
 Sample : VY0303SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/06/2023
 Supervised By :Mahesh Dadoda 03/06/2023

Quant Time: Mar 04 01:22:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	103018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	159769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	144338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	53428	52.235	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.480%			
35) Dibromofluoromethane	7.716	113	51484	53.395	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.800%			
50) Toluene-d8	10.179	98	187180	53.102	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.200%			
62) 4-Bromofluorobenzene	12.483	95	64225	53.982	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22084	21.749	ug/l	98
3) Chloromethane	2.113	50	25196	20.756	ug/l	96
4) Vinyl Chloride	2.253	62	23546	21.153	ug/l	98
5) Bromomethane	2.638	94	14511	21.454	ug/l	88
6) Chloroethane	2.790	64	14470	21.706	ug/l	99
7) Trichlorofluoromethane	3.125	101	39009	21.100	ug/l	94
8) Diethyl Ether	3.528	74	13600	20.992	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.900	101	23508	21.135	ug/l	98
10) Methyl Iodide	4.088	142	30084	20.758	ug/l	99
11) Tert butyl alcohol	4.948	59	14705	114.051	ug/l	97
12) 1,1-Dichloroethene	3.869	96	22671	21.371	ug/l	93
13) Acrolein	3.729	56	19022	106.150	ug/l	100
14) Allyl chloride	4.479	41	39060	19.933	ug/l	98
15) Acrylonitrile	5.155	53	36971	108.302	ug/l	100
16) Acetone	3.942	43	39504	98.398	ug/l	100
17) Carbon Disulfide	4.192	76	76498	21.185	ug/l	98
18) Methyl Acetate	4.473	43	24928	20.850	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	56348	20.564	ug/l	100
20) Methylene Chloride	4.716	84	30981	22.313	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	24656	21.387	ug/l	94
22) Diisopropyl ether	6.113	45	77002	21.635	ug/l	96
23) Vinyl Acetate	6.058	43	235385	106.437	ug/l	99
24) 1,1-Dichloroethane	6.015	63	43167	21.284	ug/l	99
25) 2-Butanone	6.984	43	51378	103.323	ug/l	100
26) 2,2-Dichloropropane	6.978	77	36547	20.289	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	26183	21.184	ug/l	98
28) Bromochloromethane	7.332	49	16645	22.458	ug/l	99
29) Tetrahydrofuran	7.344	42	32857	109.558	ug/l	100
30) Chloroform	7.503	83	43840	21.884	ug/l	97
31) Cyclohexane	7.783	56	39521	20.175	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	38750	21.389	ug/l	99
36) 1,1-Dichloropropene	7.917	75	33843	20.945	ug/l	99
37) Ethyl Acetate	7.070	43	22901	22.487	ug/l	97
38) Carbon Tetrachloride	7.905	117	35731	21.414	ug/l	99
39) Methylcyclohexane	9.185	83	38310	19.943	ug/l	98
40) Benzene	8.161	78	98202	21.485	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	9726	17.726	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	29808	21.692	ug/l	98
43) Isopropyl Acetate	8.271	43	38433	21.152	ug/l	98
44) Trichloroethene	8.941	130	25905	21.497	ug/l	99
45) 1,2-Dichloropropane	9.216	63	25512	22.086	ug/l	96
46) Dibromomethane	9.307	93	14729	22.382	ug/l	99
47) Bromodichloromethane	9.496	83	33753	21.765	ug/l #	99
48) Methyl methacrylate	9.289	41	17760	21.213	ug/l	98
49) 1,4-Dioxane	9.295	88	4067	478.062	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	108671	110.260	ug/l	99
52) Toluene	10.246	92	61377	22.266	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	35008	21.522	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	39534	21.473	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	20334	22.187	ug/l	98
56) Ethyl methacrylate	10.508	69	25618	20.964	ug/l	100
57) 1,3-Dichloropropane	10.789	76	34593	22.161	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	69779	108.774	ug/l	100
59) 2-Hexanone	10.831	43	78093	109.021	ug/l	99
60) Dibromochloromethane	10.984	129	24746	22.182	ug/l	98
61) 1,2-Dibromoethane	11.087	107	19704	22.319	ug/l	98
64) Tetrachloroethene	10.721	164	22770	21.667	ug/l	98
65) Chlorobenzene	11.514	112	64999	21.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	23825	21.255	ug/l	97
67) Ethyl Benzene	11.593	91	111241	20.886	ug/l	98
68) m/p-Xylenes	11.703	106	87895	42.899	ug/l	100
69) o-Xylene	12.032	106	41027	21.455	ug/l	95
70) Styrene	12.044	104	70719	22.162	ug/l	99
71) Bromoform	12.209	173	16324	22.335	ug/l #	97
73) Isopropylbenzene	12.331	105	107744	20.327	ug/l	100
74) N-amyl acetate	12.142	43	32827	19.683	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	25914	21.748	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	18965m	21.234	ug/l	
77) Bromobenzene	12.611	156	26798	20.811	ug/l	98
78) n-propylbenzene	12.672	91	136173	20.837	ug/l	100
79) 2-Chlorotoluene	12.758	91	73942	20.358	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	91826	20.992	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8884	20.610	ug/l	99
82) 4-Chlorotoluene	12.855	91	79286	21.088	ug/l	99
83) tert-Butylbenzene	13.075	119	76752	20.328	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	89711	20.973	ug/l	99
85) sec-Butylbenzene	13.251	105	119652	20.773	ug/l	99
86) p-Isopropyltoluene	13.367	119	97033	20.612	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	52950	21.321	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	53259	21.012	ug/l	98
89) n-Butylbenzene	13.697	91	90797	20.148	ug/l	100
90) Hexachloroethane	13.959	117	20172	20.574	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	47714	21.253	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4086	21.218	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	27218	19.691	ug/l	99
94) Hexachlorobutadiene	15.111	225	16574	19.659	ug/l	96
95) Naphthalene	15.239	128	52876	19.089	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	24515	19.942	ug/l	100

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

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