

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022423\
 Data File : VY012716.D
 Acq On : 24 Feb 2023 12:06
 Operator : KP/MD
 Sample : VY0224SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/27/2023
 Supervised By :Mahesh Dadoda 02/27/2023

Quant Time: Feb 24 14:07:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	114669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	176533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	157073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66686	49.240	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.480%			
35) Dibromofluoromethane	7.716	113	61347	51.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.900%			
50) Toluene-d8	10.179	98	229752	51.432	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.483	95	76407	53.450	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23201	19.680	ug/l	97
3) Chloromethane	2.113	50	27957	17.487	ug/l	97
4) Vinyl Chloride	2.253	62	26306	20.195	ug/l	100
5) Bromomethane	2.644	94	14967	20.980	ug/l	95
6) Chloroethane	2.790	64	15812	19.069	ug/l	95
7) Trichlorofluoromethane	3.125	101	42635	20.305	ug/l	97
8) Diethyl Ether	3.528	74	15448	20.549	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.900	101	26221	20.896	ug/l	99
10) Methyl Iodide	4.088	142	32772	19.946	ug/l	98
11) Tert butyl alcohol	4.954	59	20737	139.978	ug/l	96
12) 1,1-Dichloroethene	3.875	96	24765	20.444	ug/l	98
13) Acrolein	3.729	56	21194	113.230	ug/l	99
14) Allyl chloride	4.485	41	47480	20.195	ug/l	99
15) Acrylonitrile	5.168	53	43498	108.760	ug/l	99
16) Acetone	3.948	43	47644	107.813	ug/l	93
17) Carbon Disulfide	4.192	76	82045	20.126	ug/l	99
18) Methyl Acetate	4.479	43	31016	21.788	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	67573	20.738	ug/l	98
20) Methylene Chloride	4.716	84	36850	23.546	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	27295	20.715	ug/l	96
22) Diisopropyl ether	6.119	45	91793	20.923	ug/l	96
23) Vinyl Acetate	6.058	43	285217	104.970	ug/l	99
24) 1,1-Dichloroethane	6.015	63	49577	20.380	ug/l	100
25) 2-Butanone	6.984	43	65117	111.022	ug/l	96
26) 2,2-Dichloropropane	6.978	77	42950	20.240	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	28992	20.109	ug/l	99
28) Bromochloromethane	7.338	49	20608	21.155	ug/l	98
29) Tetrahydrofuran	7.344	42	40800	113.941	ug/l	99
30) Chloroform	7.503	83	48137	20.422	ug/l	96
31) Cyclohexane	7.783	56	46350	19.699	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	43238	20.263	ug/l	100
36) 1,1-Dichloropropene	7.917	75	37747	19.972	ug/l	99
37) Ethyl Acetate	7.070	43	27082	21.236	ug/l	98
38) Carbon Tetrachloride	7.899	117	39949	20.442	ug/l	98
39) Methylcyclohexane	9.185	83	44609	20.461	ug/l	97
40) Benzene	8.161	78	110470	20.939	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	13854	22.305	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	33620	20.551	ug/l	100
43) Isopropyl Acetate	8.277	43	46872	21.269	ug/l	98
44) Trichloroethene	8.941	130	28102	20.603	ug/l	98
45) 1,2-Dichloropropane	9.216	63	28757	21.191	ug/l	99
46) Dibromomethane	9.307	93	16171	21.587	ug/l	99
47) Bromodichloromethane	9.496	83	37489	20.788	ug/l	96
48) Methyl methacrylate	9.295	41	22134	21.523	ug/l	97
49) 1,4-Dioxane	9.301	88	4221	398.038	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	135835	114.264	ug/l	100
52) Toluene	10.246	92	67378	21.555	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	39674	21.053	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	44815	21.016	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	22154	21.774	ug/l	97
56) Ethyl methacrylate	10.508	69	30554	21.989	ug/l	97
57) 1,3-Dichloropropane	10.789	76	38798	21.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	79511	105.407	ug/l	99
59) 2-Hexanone	10.831	43	97941	116.217	ug/l	98
60) Dibromochloromethane	10.984	129	26827	21.762	ug/l	100
61) 1,2-Dibromoethane	11.087	107	21621	22.180	ug/l	98
64) Tetrachloroethene	10.721	164	24015	21.022	ug/l	97
65) Chlorobenzene	11.514	112	70770	21.011	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	26705	21.393	ug/l	97
67) Ethyl Benzene	11.593	91	125307	20.812	ug/l	100
68) m/p-Xylenes	11.703	106	97191	42.317	ug/l	98
69) o-Xylene	12.032	106	45258	21.275	ug/l	99
70) Styrene	12.044	104	77593	21.762	ug/l	99
71) Bromoform	12.209	173	17553	22.037	ug/l #	100
73) Isopropylbenzene	12.331	105	119800	20.462	ug/l	99
74) N-amyl acetate	12.142	43	40187	20.881	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	29686	22.551	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	21461m	21.729	ug/l	
77) Bromobenzene	12.611	156	28788	20.521	ug/l	99
78) n-propylbenzene	12.672	91	151685	20.713	ug/l	99
79) 2-Chlorotoluene	12.758	91	83831	20.606	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	100064	20.461	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	10350	22.200	ug/l	94
82) 4-Chlorotoluene	12.855	91	87838	20.817	ug/l	100
83) tert-Butylbenzene	13.075	119	85252	20.414	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	100037	20.925	ug/l	99
85) sec-Butylbenzene	13.251	105	131548	20.704	ug/l	99
86) p-Isopropyltoluene	13.367	119	108923	20.815	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	56297	20.489	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	57434	20.613	ug/l	99
89) n-Butylbenzene	13.697	91	101376	20.229	ug/l	100
90) Hexachloroethane	13.959	117	21853	20.578	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	51358	20.929	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4535	20.958	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	29615	19.082	ug/l	99
94) Hexachlorobutadiene	15.111	225	17767	18.969	ug/l	99
95) Naphthalene	15.233	128	60988	19.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	27132	19.751	ug/l	97

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

