

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
 Data File : VY013892.D
 Acq On : 26 May 2023 14:50
 Operator : KP/MD
 Sample : VY0526SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0526SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/29/2023
 Supervised By :Mahesh Dadoda 05/30/2023

Quant Time: May 26 16:44:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	266522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	409578	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	367143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	186298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	156554	50.773	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.540%			
35) Dibromofluoromethane	7.716	113	130624	49.384	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.760%			
50) Toluene-d8	10.179	98	479898	47.736	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.480%			
62) 4-Bromofluorobenzene	12.477	95	167262	50.054	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	38668	15.839	ug/l	97
3) Chloromethane	2.107	50	47226	15.879	ug/l	99
4) Vinyl Chloride	2.247	62	47066	15.474	ug/l	100
5) Bromomethane	2.650	94	42841	17.725	ug/l	99
6) Chloroethane	2.790	64	37602	18.972	ug/l	98
7) Trichlorofluoromethane	3.125	101	87174	17.030	ug/l	99
8) Diethyl Ether	3.528	74	29268	18.641	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	48912	17.626	ug/l	99
10) Methyl Iodide	4.088	142	46569	14.136	ug/l	97
11) Tert butyl alcohol	4.991	59	27764	117.540	ug/l #	90
12) 1,1-Dichloroethene	3.869	96	43799	16.800	ug/l	95
13) Acrolein	3.729	56	38263	107.691	ug/l	97
14) Allyl chloride	4.479	41	82977	17.434	ug/l	99
15) Acrylonitrile	5.168	53	84733	105.254	ug/l	99
16) Acetone	3.954	43	92849	101.458	ug/l	97
17) Carbon Disulfide	4.192	76	111842	14.372	ug/l	99
18) Methyl Acetate	4.479	43	68532	21.585	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	133926	18.824	ug/l	100
20) Methylene Chloride	4.704	84	82180	24.006	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	47228	16.665	ug/l	95
22) Diisopropyl ether	6.119	45	170931	18.601	ug/l	99
23) Vinyl Acetate	6.058	43	498665	93.168	ug/l	100
24) 1,1-Dichloroethane	6.015	63	94275	17.573	ug/l	100
25) 2-Butanone	6.990	43	114249	102.310	ug/l	95
26) 2,2-Dichloropropane	6.972	77	85983	17.793	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	55379	17.395	ug/l	98
28) Bromochloromethane	7.332	49	31565	20.046	ug/l	99
29) Tetrahydrofuran	7.344	42	74465	111.689	ug/l	99
30) Chloroform	7.502	83	101132	18.594	ug/l	98
31) Cyclohexane	7.783	56	74817	15.793	ug/l #	93
32) 1,1,1-Trichloroethane	7.698	97	90828	18.305	ug/l	100
36) 1,1-Dichloropropene	7.917	75	68534	17.011	ug/l	100
37) Ethyl Acetate	7.076	43	52645	21.422	ug/l	100
38) Carbon Tetrachloride	7.893	117	83165	18.152	ug/l	98
39) Methylcyclohexane	9.179	83	73945	15.672	ug/l	99
40) Benzene	8.155	78	203063	17.549	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	26091	19.458	ug/l	97
42) 1,2-Dichloroethane	8.234	62	72825	19.222	ug/l	98
43) Isopropyl Acetate	8.271	43	90450	20.197	ug/l	99
44) Trichloroethene	8.935	130	54611	17.517	ug/l	97
45) 1,2-Dichloropropane	9.216	63	52333	17.654	ug/l	100
46) Dibromomethane	9.301	93	32887	19.372	ug/l	98
47) Bromodichloromethane	9.490	83	77284	18.680	ug/l	97
48) Methyl methacrylate	9.289	41	40872	19.436	ug/l	94
49) 1,4-Dioxane	9.313	88	6049	303.175	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	262677	110.066	ug/l	99
52) Toluene	10.240	92	125387	17.772	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	78823	18.717	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	85590	18.141	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	44278	19.386	ug/l	97
56) Ethyl methacrylate	10.508	69	60495	19.842	ug/l	96
57) 1,3-Dichloropropane	10.788	76	75698	19.461	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	108668	111.705	ug/l	100
59) 2-Hexanone	10.831	43	188935	111.296	ug/l	100
60) Dibromochloromethane	10.984	129	56601	19.591	ug/l	100
61) 1,2-Dibromoethane	11.087	107	41385	19.047	ug/l	96
64) Tetrachloroethene	10.715	164	48881	17.994	ug/l	88
65) Chlorobenzene	11.514	112	138202	17.960	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	55194	18.585	ug/l	98
67) Ethyl Benzene	11.593	91	241404	17.433	ug/l	98
68) m/p-Xylenes	11.697	106	185534	35.404	ug/l	99
69) o-Xylene	12.026	106	86863	17.597	ug/l	99
70) Styrene	12.044	104	149486	17.878	ug/l	98
71) Bromoform	12.209	173	39143	20.166	ug/l #	97
73) Isopropylbenzene	12.325	105	234799	16.933	ug/l	99
74) N-amyl acetate	12.142	43	79970	19.183	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	59135	20.602	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	42043m	19.139	ug/l	
77) Bromobenzene	12.605	156	59287	17.426	ug/l	98
78) n-propylbenzene	12.672	91	293585	17.139	ug/l	99
79) 2-Chlorotoluene	12.758	91	163936	17.133	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	195907	17.116	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	19473	19.242	ug/l	97
82) 4-Chlorotoluene	12.855	91	172176	17.410	ug/l	99
83) tert-Butylbenzene	13.075	119	173325	17.387	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	195106	17.366	ug/l	99
85) sec-Butylbenzene	13.251	105	259290	17.510	ug/l	99
86) p-Isopropyltoluene	13.367	119	207867	16.984	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	116277	17.695	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	116992	17.883	ug/l	99
89) n-Butylbenzene	13.696	91	198972	16.953	ug/l	99
90) Hexachloroethane	13.959	117	42955	17.094	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	104991	17.978	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10607	21.092	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	59979	16.567	ug/l	99
94) Hexachlorobutadiene	15.111	225	39532	17.318	ug/l	98
95) Naphthalene	15.233	128	127778	19.157	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	58143	18.059	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

