

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013937.D
 Acq On : 31 May 2023 15:49
 Operator : KP/MD
 Sample : VY0531SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0531SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/01/2023
 Supervised By :Mahesh Dadoda 06/01/2023

Quant Time: May 31 17:32:41 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	7.783	168	266772	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	415796	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.483	117	381789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	192806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	160093	51.872	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.740%	
35) Dibromofluoromethane	7.709	113	131637	49.023	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.040%	
50) Toluene-d8	10.172	98	481583	47.188	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.380%	
62) 4-Bromofluorobenzene	12.477	95	171193	50.464	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.920%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	40120	16.418	ug/l	98
3) Chloromethane	2.107	50	47992	16.121	ug/l	99
4) Vinyl Chloride	2.247	62	50218	16.495	ug/l	100
5) Bromomethane	2.643	94	42978	17.765	ug/l	94
6) Chloroethane	2.790	64	35667	17.979	ug/l	93
7) Trichlorofluoromethane	3.119	101	93546	18.257	ug/l	98
8) Diethyl Ether	3.521	74	30247	19.246	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.893	101	50777	18.281	ug/l	100
10) Methyl Iodide	4.082	142	49813	15.106	ug/l	98
11) Tert butyl alcohol	4.923	59	85353	361.007	ug/l #	73
12) 1,1-Dichloroethene	3.869	96	45223	17.330	ug/l	98
13) Acrolein	3.728	56	43178	121.410	ug/l	100
14) Allyl chloride	4.472	41	80160	16.826	ug/l	99
15) Acrylonitrile	5.155	53	91027	112.966	ug/l	100
16) Acetone	3.954	43	97942	106.923	ug/l	97
17) Carbon Disulfide	4.186	76	107483	13.799	ug/l	96
18) Methyl Acetate	4.472	43	69602	21.902	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	145992	20.501	ug/l	99
20) Methylene Chloride	4.710	84	59718	16.695	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	48714	17.173	ug/l	98
22) Diisopropyl ether	6.112	45	176538	19.193	ug/l	97
23) Vinyl Acetate	6.051	43	525704	98.127	ug/l	99
24) 1,1-Dichloroethane	6.009	63	97330	18.125	ug/l	99
25) 2-Butanone	6.984	43	128816	115.246	ug/l	97
26) 2,2-Dichloropropane	6.978	77	94234	19.482	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	58477	18.351	ug/l	97
28) Bromochloromethane	7.325	49	33048	20.968	ug/l	100
29) Tetrahydrofuran	7.350	42	78478	117.597	ug/l	98
30) Chloroform	7.502	83	105282	19.339	ug/l	99
31) Cyclohexane	7.777	56	79666	16.801	ug/l #	93
32) 1,1,1-Trichloroethane	7.697	97	92397	18.604	ug/l	98
36) 1,1-Dichloropropene	7.911	75	70701	17.286	ug/l	99
37) Ethyl Acetate	7.069	43	60047	24.069	ug/l	100
38) Carbon Tetrachloride	7.892	117	84881	18.249	ug/l	96
39) Methylcyclohexane	9.179	83	77825	16.248	ug/l	97
40) Benzene	8.155	78	211094	17.970	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	29731m	21.841	ug/l	
42) 1,2-Dichloroethane	8.234	62	78224	20.338	ug/l	99
43) Isopropyl Acetate	8.270	43	97596	21.467	ug/l #	90
44) Trichloroethene	8.935	130	56673	17.907	ug/l	99
45) 1,2-Dichloropropane	9.209	63	56051	18.626	ug/l	98
46) Dibromomethane	9.301	93	33887	19.662	ug/l	97
47) Bromodichloromethane	9.490	83	81464	19.396	ug/l	100
48) Methyl methacrylate	9.288	41	43720	20.480	ug/l	93
49) 1,4-Dioxane	9.307	88	9689	478.350	ug/l #	95
51) 4-Methyl-2-Pentanone	10.063	43	281806	116.315	ug/l	99
52) Toluene	10.239	92	130959	18.284	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	83682	19.573	ug/l	99
54) cis-1,3-Dichloropropene	9.922	75	91323	19.067	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	48127	20.756	ug/l	91
56) Ethyl methacrylate	10.508	69	62968	20.344	ug/l	99
57) 1,3-Dichloropropane	10.788	76	78703	19.931	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	111485	112.887	ug/l	99
59) 2-Hexanone	10.831	43	200809	116.522	ug/l	99
60) Dibromochloromethane	10.977	129	60662	20.682	ug/l	99
61) 1,2-Dibromoethane	11.081	107	44679	20.256	ug/l	97
64) Tetrachloroethene	10.715	164	48802	17.276	ug/l	97
65) Chlorobenzene	11.514	112	144446	18.052	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	58032	18.791	ug/l	99
67) Ethyl Benzene	11.587	91	253088	17.576	ug/l	99
68) m/p-Xylenes	11.697	106	195098	35.801	ug/l	99
69) o-Xylene	12.026	106	93782	18.270	ug/l	96
70) Styrene	12.038	104	160285	18.434	ug/l	100
71) Bromoform	12.203	173	42438	21.024	ug/l #	96
73) Isopropylbenzene	12.324	105	247809	17.268	ug/l	99
74) N-amyl acetate	12.142	43	84030	19.476	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	61838	20.816	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	42065m	18.503	ug/l	
77) Bromobenzene	12.605	156	63686	18.087	ug/l	100
78) n-propylbenzene	12.666	91	306289	17.277	ug/l	100
79) 2-Chlorotoluene	12.751	91	174085	17.580	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	209546	17.690	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	22605	21.583	ug/l	96
82) 4-Chlorotoluene	12.849	91	182589	17.839	ug/l	98
83) tert-Butylbenzene	13.074	119	174642	16.928	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	209025	17.976	ug/l	99
85) sec-Butylbenzene	13.251	105	273292	17.832	ug/l	99
86) p-Isopropyltoluene	13.367	119	225076	17.769	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	122425	18.001	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	124711	18.419	ug/l	98
89) n-Butylbenzene	13.690	91	210679	17.344	ug/l	99
90) Hexachloroethane	13.958	117	46488	17.875	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	112027	18.535	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11453	22.006	ug/l	97
93) 1,2,4-Trichlorobenzene	15.001	180	67085	17.904	ug/l	98
94) Hexachlorobutadiene	15.111	225	42473	17.978	ug/l	98
95) Naphthalene	15.233	128	138073	19.802	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	60925	18.284	ug/l	98

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

