

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013313.D
 Acq On : 14 Apr 2023 13:00
 Operator : KP/MD
 Sample : VY0414SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0414SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

Quant Time: Apr 17 02:08:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	291302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	437357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	389551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	194524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	157006	44.849	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.700%		
35) Dibromofluoromethane	7.709	113	143771	50.777	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.560%		
50) Toluene-d8	10.172	98	516552	49.013	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.020%		
62) 4-Bromofluorobenzene	12.477	95	168623	49.243	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	51115	19.496	ug/l	98
3) Chloromethane	2.107	50	57071	17.375	ug/l	98
4) Vinyl Chloride	2.247	62	55909	17.953	ug/l	99
5) Bromomethane	2.643	94	38228	16.008	ug/l	87
6) Chloroethane	2.784	64	35247	16.783	ug/l	96
7) Trichlorofluoromethane	3.113	101	97679	20.153	ug/l	99
8) Diethyl Ether	3.527	74	33936	19.271	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	58433	20.515	ug/l	97
10) Methyl Iodide	4.082	142	69242	19.819	ug/l	96
11) Tert butyl alcohol	4.966	59	45737m	75.065	ug/l	
12) 1,1-Dichloroethene	3.863	96	55038	20.079	ug/l	95
13) Acrolein	3.722	56	40143	93.345	ug/l	100
14) Allyl chloride	4.472	41	97087	18.541	ug/l	97
15) Acrylonitrile	5.161	53	94618	93.503	ug/l	99
16) Acetone	3.948	43	103982	86.388	ug/l	99
17) Carbon Disulfide	4.186	76	174952	19.386	ug/l	99
18) Methyl Acetate	4.472	43	73263	18.820	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	155793	18.973	ug/l	98
20) Methylene Chloride	4.704	84	72105	20.127	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	61282	19.585	ug/l	99
22) Diisopropyl ether	6.112	45	195409	18.936	ug/l	91
23) Vinyl Acetate	6.051	43	606231	92.929	ug/l	99
24) 1,1-Dichloroethane	6.009	63	112047	19.438	ug/l	95
25) 2-Butanone	6.984	43	138479	89.853	ug/l	94
26) 2,2-Dichloropropane	6.978	77	98990	19.141	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	67067	19.711	ug/l	97
28) Bromochloromethane	7.325	49	44896	19.542	ug/l	99
29) Tetrahydrofuran	7.344	42	87610	93.596	ug/l	100
30) Chloroform	7.502	83	114624	19.650	ug/l	100
31) Cyclohexane	7.777	56	100810	19.045	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	102208	19.368	ug/l	100
36) 1,1-Dichloropropene	7.911	75	86798	20.235	ug/l	99
37) Ethyl Acetate	7.069	43	64502	18.655	ug/l	97
38) Carbon Tetrachloride	7.892	117	94897	20.008	ug/l	97
39) Methylcyclohexane	9.179	83	101173	20.289	ug/l	96
40) Benzene	8.155	78	244837	19.722	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	31998m	22.306	ug/l	
42) 1,2-Dichloroethane	8.234	62	81125	19.273	ug/l	97
43) Isopropyl Acetate	8.270	43	106355	18.519	ug/l	99
44) Trichloroethene	8.935	130	65681	20.538	ug/l	92
45) 1,2-Dichloropropane	9.209	63	64124	19.900	ug/l	94
46) Dibromomethane	9.301	93	38898	20.058	ug/l	99
47) Bromodichloromethane	9.490	83	88161	19.886	ug/l	99
48) Methyl methacrylate	9.288	41	49152	18.632	ug/l	99
49) 1,4-Dioxane	9.313	88	10570	402.279	ug/l #	92
51) 4-Methyl-2-Pentanone	10.063	43	298433	95.482	ug/l	98
52) Toluene	10.240	92	152199	20.303	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	89518	19.281	ug/l	99
54) cis-1,3-Dichloropropene	9.922	75	101994	20.035	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	52354	20.474	ug/l	97
56) Ethyl methacrylate	10.508	69	69976	19.987	ug/l	100
57) 1,3-Dichloropropane	10.788	76	85945	19.762	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	153812	105.214	ug/l	99
59) 2-Hexanone	10.831	43	215198	94.691	ug/l	98
60) Dibromochloromethane	10.983	129	64157	20.010	ug/l	99
61) 1,2-Dibromoethane	11.081	107	50897	20.441	ug/l	100
64) Tetrachloroethene	10.715	164	58083	21.135	ug/l	100
65) Chlorobenzene	11.514	112	160730	19.724	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	61324	20.053	ug/l	98
67) Ethyl Benzene	11.587	91	281246	19.816	ug/l	99
68) m/p-Xylenes	11.697	106	221794	40.843	ug/l	99
69) o-Xylene	12.026	106	101746	20.231	ug/l	99
70) Styrene	12.038	104	174908	20.591	ug/l	99
71) Bromoform	12.203	173	42622	20.118	ug/l #	98
73) Isopropylbenzene	12.324	105	268144	20.096	ug/l	100
74) N-amyl acetate	12.142	43	90166	18.941	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.574	83	64047	19.431	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	42636m	17.590	ug/l	
77) Bromobenzene	12.605	156	67681	20.284	ug/l	98
78) n-propylbenzene	12.666	91	334611	20.305	ug/l	99
79) 2-Chlorotoluene	12.751	91	187534	20.217	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	230859	20.656	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	22896	19.605	ug/l	97
82) 4-Chlorotoluene	12.849	91	194247	19.863	ug/l	100
83) tert-Butylbenzene	13.068	119	194222	20.252	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	224819	20.669	ug/l	99
85) sec-Butylbenzene	13.251	105	292369	20.386	ug/l	100
86) p-Isopropyltoluene	13.367	119	244666	20.790	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	131134	20.388	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	132550	20.393	ug/l	98
89) n-Butylbenzene	13.690	91	228195	20.274	ug/l	99
90) Hexachloroethane	13.958	117	49588	20.209	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	120218	20.540	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11507	19.224	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	72863	20.946	ug/l	97
94) Hexachlorobutadiene	15.111	225	43508	21.122	ug/l	97
95) Naphthalene	15.233	128	151648	19.843	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	65642	20.712	ug/l	99

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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

