

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032323\
 Data File : VY013057.D
 Acq On : 23 Mar 2023 13:11
 Operator : KP/MD
 Sample : VY0323SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0323SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/24/2023
 Supervised By :Mahesh Dadoda 03/24/2023

Quant Time: Mar 24 05:01:49 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	7.783	168	106622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	160661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	146329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	78756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	57521	54.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.680%			
35) Dibromofluoromethane	7.710	113	58413	60.245	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.500%			
50) Toluene-d8	10.179	98	184248	51.980	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.960%			
62) 4-Bromofluorobenzene	12.477	95	71542	59.798	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	19649	18.697	ug/l	98
3) Chloromethane	2.113	50	20643	16.431	ug/l	99
4) Vinyl Chloride	2.247	62	20982	18.212	ug/l	96
5) Bromomethane	2.631	94	14319	20.455	ug/l	95
6) Chloroethane	2.784	64	13580	19.682	ug/l	94
7) Trichlorofluoromethane	3.119	101	36555	19.104	ug/l	92
8) Diethyl Ether	3.527	74	13751	20.507	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.893	101	23183	20.138	ug/l	99
10) Methyl Iodide	4.082	142	26427	17.618	ug/l	99
11) Tert butyl alcohol	4.942	59	15560	117.093	ug/l #	85
12) 1,1-Dichloroethene	3.863	96	21338	19.434	ug/l	90
13) Acrolein	3.723	56	12461	67.186	ug/l	96
14) Allyl chloride	4.472	41	37431	18.456	ug/l	99
15) Acrylonitrile	5.161	53	38342	108.522	ug/l	99
16) Acetone	3.942	43	42506	102.297	ug/l	95
17) Carbon Disulfide	4.186	76	62035	16.599	ug/l	100
18) Methyl Acetate	4.466	43	25619	20.704	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	59489	20.976	ug/l	99
20) Methylene Chloride	4.710	84	30556	20.980	ug/l	97
21) trans-1,2-Dichloroethene	5.210	96	23432	19.639	ug/l	98
22) Diisopropyl ether	6.112	45	77175	20.950	ug/l	92
23) Vinyl Acetate	6.051	43	234408	102.413	ug/l	100
24) 1,1-Dichloroethane	6.009	63	43132	20.548	ug/l	100
25) 2-Butanone	6.984	43	56846	110.455	ug/l	97
26) 2,2-Dichloropropane	6.978	77	38501	20.651	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	27170	21.239	ug/l	95
28) Bromochloromethane	7.332	49	16730	21.809	ug/l	100
29) Tetrahydrofuran	7.338	42	34529	111.242	ug/l	100
30) Chloroform	7.502	83	45155	21.778	ug/l	97
31) Cyclohexane	7.783	56	36158	17.834	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	38927	20.761	ug/l	99
36) 1,1-Dichloropropene	7.917	75	32833	20.207	ug/l	99
37) Ethyl Acetate	7.069	43	23177	22.632	ug/l	99
38) Carbon Tetrachloride	7.899	117	35839	21.360	ug/l	98
39) Methylcyclohexane	9.179	83	36739	19.019	ug/l	100
40) Benzene	8.155	78	95705	20.823	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	10929m	19.808	ug/l	
42) 1,2-Dichloroethane	8.234	62	30103	21.785	ug/l	100
43) Isopropyl Acetate	8.271	43	39699	21.728	ug/l	98
44) Trichloroethene	8.935	130	25701	21.209	ug/l	93
45) 1,2-Dichloropropane	9.209	63	25013	21.534	ug/l	97
46) Dibromomethane	9.301	93	14579	22.031	ug/l	96
47) Bromodichloromethane	9.496	83	34297	21.993	ug/l	99
48) Methyl methacrylate	9.289	41	17318	20.570	ug/l	94
49) 1,4-Dioxane	9.295	88	4158	486.045	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	115526	116.564	ug/l	99
52) Toluene	10.240	92	58931	21.260	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	35024	21.412	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	39523	21.348	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	20863	22.638	ug/l	97
56) Ethyl methacrylate	10.508	69	27267	22.189	ug/l	98
57) 1,3-Dichloropropane	10.788	76	34904	22.236	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	71300	110.528	ug/l	100
59) 2-Hexanone	10.831	43	86532	120.132	ug/l	99
60) Dibromochloromethane	10.983	129	24773	22.083	ug/l	98
61) 1,2-Dibromoethane	11.087	107	19884	22.398	ug/l	99
64) Tetrachloroethene	10.715	164	23141	21.721	ug/l	96
65) Chlorobenzene	11.514	112	64654	21.052	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	24929	21.937	ug/l	99
67) Ethyl Benzene	11.593	91	110831	20.526	ug/l	100
68) m/p-Xylenes	11.703	106	87791	42.265	ug/l	98
69) o-Xylene	12.026	106	40684	20.987	ug/l	97
70) Styrene	12.038	104	68941	21.311	ug/l	99
71) Bromoform	12.203	173	16491	22.257	ug/l #	100
73) Isopropylbenzene	12.325	105	108646	19.465	ug/l	99
74) N-amyl acetate	12.142	43	35579	20.260	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	26972	21.497	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	18058m	19.201	ug/l	
77) Bromobenzene	12.605	156	27105	19.990	ug/l	99
78) n-propylbenzene	12.666	91	134886	19.602	ug/l	99
79) 2-Chlorotoluene	12.751	91	76077	19.892	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	91386	19.840	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	9205	20.280	ug/l	99
82) 4-Chlorotoluene	12.849	91	78767	19.896	ug/l	99
83) tert-Butylbenzene	13.075	119	79621	20.027	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	90178	20.021	ug/l	99
85) sec-Butylbenzene	13.251	105	120151	19.810	ug/l	100
86) p-Isopropyltoluene	13.367	119	99811	20.135	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	53805	20.574	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	54460	20.404	ug/l	99
89) n-Butylbenzene	13.696	91	92763	19.548	ug/l	99
90) Hexachloroethane	13.959	117	20626	19.978	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	49182	20.805	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	4422	21.807	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	25246	17.345	ug/l	99
94) Hexachlorobutadiene	15.111	225	16642	18.746	ug/l	99
95) Naphthalene	15.233	128	53067	18.194	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	23951	18.502	ug/l	98

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

