

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
 Data File : VY013021.D
 Acq On : 21 Mar 2023 12:50
 Operator : KP/MD
 Sample : VY0321SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0321SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/22/2023
 Supervised By :Mahesh Dadoda 03/22/2023

Quant Time: Mar 22 04:17:40 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	7.789	168	105653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	162136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	147566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	77801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	48239	45.986	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.980%		
35) Dibromofluoromethane	7.716	113	48705	49.776	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.560%		
50) Toluene-d8	10.179	98	156145	43.651	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.300%		
62) 4-Bromofluorobenzene	12.483	95	59328	49.138	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	20556	19.739	ug/l	98
3) Chloromethane	2.113	50	21165	17.001	ug/l	94
4) Vinyl Chloride	2.253	62	19862	17.398	ug/l	99
5) Bromomethane	2.638	94	14403	20.763	ug/l	93
6) Chloroethane	2.790	64	13378	19.567	ug/l	97
7) Trichlorofluoromethane	3.125	101	36818	19.418	ug/l	99
8) Diethyl Ether	3.528	74	14003	21.075	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	24244	21.253	ug/l	99
10) Methyl Iodide	4.088	142	28004	18.841	ug/l	100
11) Tert butyl alcohol	4.948	59	17884	139.322	ug/l	99
12) 1,1-Dichloroethene	3.869	96	23080	21.214	ug/l	97
13) Acrolein	3.723	56	15886	86.439	ug/l	99
14) Allyl chloride	4.479	41	42303	21.049	ug/l	98
15) Acrylonitrile	5.155	53	40839	116.649	ug/l	98
16) Acetone	3.948	43	49134	119.333	ug/l	99
17) Carbon Disulfide	4.192	76	67536	18.237	ug/l	99
18) Methyl Acetate	4.479	43	28399	23.161	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	62307	22.172	ug/l	100
20) Methylene Chloride	4.710	84	30781	21.428	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	24633	20.834	ug/l	96
22) Diisopropyl ether	6.119	45	82594	22.627	ug/l	96
23) Vinyl Acetate	6.058	43	254930	112.400	ug/l	100
24) 1,1-Dichloroethane	6.015	63	44619	21.451	ug/l	99
25) 2-Butanone	6.990	43	63760	125.026	ug/l	98
26) 2,2-Dichloropropane	6.978	77	40109	21.711	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	27710	21.860	ug/l	98
28) Bromochloromethane	7.332	49	16799	22.100	ug/l	99
29) Tetrahydrofuran	7.344	42	37302	121.277	ug/l	99
30) Chloroform	7.509	83	45771	22.278	ug/l	99
31) Cyclohexane	7.789	56	39427	19.625	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	40021	21.540	ug/l	98
36) 1,1-Dichloropropene	7.917	75	34004	20.738	ug/l	99
37) Ethyl Acetate	7.070	43	24032	23.253	ug/l	99
38) Carbon Tetrachloride	7.899	117	36956	21.825	ug/l	99
39) Methylcyclohexane	9.185	83	38213	19.602	ug/l	98
40) Benzene	8.155	78	99823	21.521	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10625m	19.082	ug/l	
42) 1,2-Dichloroethane	8.234	62	31123	22.318	ug/l	99
43) Isopropyl Acetate	8.271	43	44363	24.059	ug/l	99
44) Trichloroethene	8.941	130	26352	21.548	ug/l	93
45) 1,2-Dichloropropane	9.216	63	25994	22.175	ug/l	98
46) Dibromomethane	9.307	93	15334	22.961	ug/l	99
47) Bromodichloromethane	9.496	83	35095	22.300	ug/l	99
48) Methyl methacrylate	9.295	41	19249	22.656	ug/l	99
49) 1,4-Dioxane	9.295	88	4591	531.778	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	126317	126.293	ug/l	99
52) Toluene	10.240	92	60475	21.619	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	36967	22.395	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	41311	22.111	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	21774	23.412	ug/l	97
56) Ethyl methacrylate	10.508	69	28577	23.044	ug/l	99
57) 1,3-Dichloropropane	10.788	76	36768	23.211	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	74741	114.808	ug/l	99
59) 2-Hexanone	10.831	43	95100	130.826	ug/l	99
60) Dibromochloromethane	10.984	129	25868	22.849	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20299	22.658	ug/l	99
64) Tetrachloroethene	10.721	164	23121	21.520	ug/l	98
65) Chlorobenzene	11.514	112	66138	21.355	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	25360	22.129	ug/l	100
67) Ethyl Benzene	11.593	91	115019	21.123	ug/l	98
68) m/p-Xylenes	11.703	106	89482	42.718	ug/l	99
69) o-Xylene	12.026	106	42104	21.537	ug/l	97
70) Styrene	12.044	104	71412	21.889	ug/l	99
71) Bromoform	12.209	173	17199	23.018	ug/l #	100
73) Isopropylbenzene	12.331	105	110902	20.113	ug/l	99
74) N-amyl acetate	12.142	43	38309	22.082	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	27518	22.201	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	20830m	22.420	ug/l	
77) Bromobenzene	12.611	156	28259	21.097	ug/l	98
78) n-propylbenzene	12.672	91	139688	20.549	ug/l	99
79) 2-Chlorotoluene	12.752	91	77719	20.571	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	93584	20.566	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	9809	21.876	ug/l	97
82) 4-Chlorotoluene	12.855	91	82534	21.103	ug/l	98
83) tert-Butylbenzene	13.075	119	80972	20.617	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	93369	20.984	ug/l	99
85) sec-Butylbenzene	13.251	105	124819	20.832	ug/l	99
86) p-Isopropyltoluene	13.367	119	101798	20.788	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	55456	21.466	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	55459	21.034	ug/l	98
89) n-Butylbenzene	13.697	91	96970	20.685	ug/l	99
90) Hexachloroethane	13.959	117	20942	20.533	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	50837	21.769	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4586	22.894	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	30364	21.117	ug/l	99
94) Hexachlorobutadiene	15.111	225	18286	20.851	ug/l	100
95) Naphthalene	15.233	128	62834	21.807	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	27620	21.598	ug/l	99

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

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