

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011223\
 Data File : VY012171.D
 Acq On : 12 Jan 2023 12:25
 Operator : KP/MD
 Sample : VY0112SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0112SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/13/2023
 Supervised By :Mahesh Dadoda 01/13/2023

Quant Time: Jan 12 13:36:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	209902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	322332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	293618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106137	45.000	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.000%		
35) Dibromofluoromethane	7.716	113	102481	48.371	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.740%		
50) Toluene-d8	10.179	98	376210	44.989	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.980%		
62) 4-Bromofluorobenzene	12.483	95	141122	48.280	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	39377	21.413	ug/l	100
3) Chloromethane	2.113	50	39907	24.529	ug/l	97
4) Vinyl Chloride	2.253	62	45842	22.471	ug/l	97
5) Bromomethane	2.644	94	31788	21.401	ug/l	97
6) Chloroethane	2.790	64	29440	21.782	ug/l	94
7) Trichlorofluoromethane	3.125	101	83569	20.562	ug/l	98
8) Diethyl Ether	3.534	74	28277	22.725	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.899	101	45967	21.967	ug/l	97
10) Methyl Iodide	4.095	142	61070	21.528	ug/l	99
11) Tert butyl alcohol	4.942	59	41118	133.917	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	45677	22.266	ug/l	95
13) Acrolein	3.729	56	18508	136.400	ug/l	99
14) Allyl chloride	4.479	41	64236	23.228	ug/l	96
15) Acrylonitrile	5.161	53	68305	116.837	ug/l	99
16) Acetone	3.948	43	61994	111.735	ug/l	96
17) Carbon Disulfide	4.192	76	134612	24.837	ug/l	99
18) Methyl Acetate	4.479	43	37505	23.499	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	129753	21.489	ug/l	100
20) Methylene Chloride	4.716	84	73235	28.701	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	50996	22.465	ug/l	92
22) Diisopropyl ether	6.119	45	136742	24.036	ug/l	97
23) Vinyl Acetate	6.058	43	410498	119.241	ug/l	96
24) 1,1-Dichloroethane	6.021	63	85891	22.698	ug/l	99
25) 2-Butanone	6.984	43	85868	117.303	ug/l	92
26) 2,2-Dichloropropane	6.984	77	84080	20.596	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	57766	22.280	ug/l	97
28) Bromochloromethane	7.332	49	22326	23.337	ug/l	92
29) Tetrahydrofuran	7.344	42	52498	122.863	ug/l	93
30) Chloroform	7.502	83	94180	21.834	ug/l	99
31) Cyclohexane	7.783	56	76661	23.903	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	86479	20.641	ug/l	98
36) 1,1-Dichloropropene	7.917	75	69539	21.634	ug/l	99
37) Ethyl Acetate	7.070	43	39081	22.708	ug/l	97
38) Carbon Tetrachloride	7.899	117	80720	19.786	ug/l	97
39) Methylcyclohexane	9.185	83	84429	21.988	ug/l	96
40) Benzene	8.161	78	202625	21.633	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	21519m	22.990	ug/l	
42) 1,2-Dichloroethane	8.240	62	60652	20.453	ug/l	99
43) Isopropyl Acetate	8.271	43	64940	22.516	ug/l	97
44) Trichloroethene	8.941	130	59016	21.579	ug/l	95
45) 1,2-Dichloropropane	9.216	63	47536	22.778	ug/l	99
46) Dibromomethane	9.307	93	28226	21.485	ug/l	96
47) Bromodichloromethane	9.496	83	70753	21.180	ug/l	100
48) Methyl methacrylate	9.289	41	29050	22.485	ug/l	94
49) 1,4-Dioxane	9.295	88	8404	461.944	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	177012	115.339	ug/l	97
52) Toluene	10.240	92	133672	21.561	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	73768	21.227	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	82587	21.967	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	41557	21.901	ug/l	96
56) Ethyl methacrylate	10.508	69	55519	22.336	ug/l	94
57) 1,3-Dichloropropane	10.788	76	69496	22.193	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	105436	115.966	ug/l	95
59) 2-Hexanone	10.831	43	125394	116.360	ug/l	96
60) Dibromochloromethane	10.983	129	52527	20.995	ug/l	100
61) 1,2-Dibromoethane	11.087	107	40842	22.489	ug/l	96
64) Tetrachloroethene	10.721	164	61628	21.426	ug/l	97
65) Chlorobenzene	11.514	112	143032	21.330	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	54413	21.017	ug/l	99
67) Ethyl Benzene	11.593	91	251693	20.999	ug/l	98
68) m/p-Xylenes	11.703	106	201032	42.763	ug/l	98
69) o-Xylene	12.026	106	94848	21.190	ug/l	97
70) Styrene	12.044	104	160967	21.170	ug/l	99
71) Bromoform	12.209	173	35176	21.384	ug/l #	100
73) Isopropylbenzene	12.331	105	253949	20.989	ug/l	99
74) N-amyl acetate	12.142	43	56117	22.466	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	45108	22.163	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	36977m	21.179	ug/l	
77) Bromobenzene	12.611	156	60992	21.136	ug/l	96
78) n-propylbenzene	12.672	91	301102	21.318	ug/l	99
79) 2-Chlorotoluene	12.758	91	170283	21.076	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	217979	21.005	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	16996	21.619	ug/l	95
82) 4-Chlorotoluene	12.855	91	177038	20.950	ug/l	100
83) tert-Butylbenzene	13.075	119	185034	20.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	214604	20.891	ug/l	100
85) sec-Butylbenzene	13.251	105	271630	20.784	ug/l	98
86) p-Isopropyltoluene	13.367	119	234566	20.717	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	121023	20.922	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	119731	20.720	ug/l	100
89) n-Butylbenzene	13.696	91	208417	21.242	ug/l	99
90) Hexachloroethane	13.959	117	43483	20.701	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	107847	20.928	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8560	21.161	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	65860	20.499	ug/l	100
94) Hexachlorobutadiene	15.111	225	40584	20.936	ug/l	99
95) Naphthalene	15.233	128	131804	20.729	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	56469	20.215	ug/l	99

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

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