

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
 Data File : VY013089.D
 Acq On : 27 Mar 2023 14:09
 Operator : KP/MD
 Sample : VY0327SBD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0327SBD01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/29/2023
 Supervised By :Mahesh Dadoda 03/30/2023

Quant Time: Mar 28 01:42:11 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	97805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	153172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	141144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	73547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52151	53.704	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.400%			
35) Dibromofluoromethane	7.716	113	52336	56.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.240%			
50) Toluene-d8	10.179	98	166292	49.208	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.420%			
62) 4-Bromofluorobenzene	12.483	95	65198	57.160	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.320%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	19096	19.809	ug/l	94
3) Chloromethane	2.113	50	22688	19.686	ug/l	100
4) Vinyl Chloride	2.253	62	22267	21.070	ug/l	100
5) Bromomethane	2.643	94	14315	22.292	ug/l	89
6) Chloroethane	2.790	64	13326	21.055	ug/l	98
7) Trichlorofluoromethane	3.119	101	36597	20.850	ug/l	97
8) Diethyl Ether	3.527	74	12831	20.860	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	22890	21.676	ug/l	98
10) Methyl Iodide	4.088	142	27590	20.051	ug/l	99
11) Tert butyl alcohol	4.948	59	12433	99.169	ug/l	97
12) 1,1-Dichloroethene	3.869	96	20976	20.827	ug/l	96
13) Acrolein	3.722	56	10795	63.451	ug/l	99
14) Allyl chloride	4.478	41	35705	19.192	ug/l	98
15) Acrylonitrile	5.161	53	34780	107.314	ug/l	100
16) Acetone	3.942	43	35438	92.975	ug/l	98
17) Carbon Disulfide	4.192	76	60112	17.534	ug/l	98
18) Methyl Acetate	4.472	43	23136	20.383	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	56755	21.816	ug/l	97
20) Methylene Chloride	4.710	84	28882	21.802	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	23144	21.146	ug/l	98
22) Diisopropyl ether	6.112	45	82900	24.533	ug/l	95
23) Vinyl Acetate	6.057	43	236416	112.602	ug/l	99
24) 1,1-Dichloroethane	6.009	63	45094	23.419	ug/l	97
25) 2-Butanone	6.978	43	52251	110.680	ug/l	98
26) 2,2-Dichloropropane	6.972	77	39016	22.814	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	26704	22.757	ug/l	99
28) Bromochloromethane	7.325	49	17195	24.436	ug/l	95
29) Tetrahydrofuran	7.344	42	32378	113.715	ug/l	96
30) Chloroform	7.508	83	45228	23.780	ug/l	99
31) Cyclohexane	7.783	56	37360	20.088	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	39514	22.973	ug/l	98
36) 1,1-Dichloropropene	7.917	75	33790	21.813	ug/l	98
37) Ethyl Acetate	7.069	43	22509	23.054	ug/l #	95
38) Carbon Tetrachloride	7.898	117	35690	22.311	ug/l	100
39) Methylcyclohexane	9.185	83	36538	19.840	ug/l	98
40) Benzene	8.155	78	97509	22.253	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	8425m	16.016	ug/l	
42) 1,2-Dichloroethane	8.234	62	30628	23.249	ug/l	98
43) Isopropyl Acetate	8.270	43	38120	21.884	ug/l	98
44) Trichloroethene	8.935	130	25113	21.737	ug/l	100
45) 1,2-Dichloropropane	9.215	63	26330	23.776	ug/l	100
46) Dibromomethane	9.301	93	14420	22.856	ug/l	98
47) Bromodichloromethane	9.496	83	34881	23.461	ug/l	98
48) Methyl methacrylate	9.288	41	17137	21.351	ug/l	94
49) 1,4-Dioxane	9.295	88	3623	444.213	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	106753	112.979	ug/l	100
52) Toluene	10.246	92	60837	23.021	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	34936	22.403	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	39772	22.533	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	20854	23.735	ug/l	97
56) Ethyl methacrylate	10.508	69	25078	21.406	ug/l	100
57) 1,3-Dichloropropane	10.788	76	34288	22.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	67393	109.579	ug/l	99
59) 2-Hexanone	10.831	43	75550	110.014	ug/l	99
60) Dibromochloromethane	10.983	129	25136	23.502	ug/l	97
61) 1,2-Dibromoethane	11.087	107	19161	22.639	ug/l	100
64) Tetrachloroethene	10.715	164	22714	22.103	ug/l	97
65) Chlorobenzene	11.514	112	65835	22.225	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	24877	22.695	ug/l	99
67) Ethyl Benzene	11.593	91	113121	21.720	ug/l	100
68) m/p-Xylenes	11.703	106	88152	43.998	ug/l	99
69) o-Xylene	12.026	106	40218	21.508	ug/l	99
70) Styrene	12.044	104	69846	22.383	ug/l	99
71) Bromoform	12.203	173	16253	22.742	ug/l #	97
73) Isopropylbenzene	12.331	105	109515	21.011	ug/l	100
74) N-amyl acetate	12.142	43	32841	20.025	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	25549	21.805	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	19013m	21.648	ug/l	
77) Bromobenzene	12.605	156	26519	20.943	ug/l	98
78) n-propylbenzene	12.672	91	137178	21.347	ug/l	99
79) 2-Chlorotoluene	12.757	91	76099	21.307	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	91051	21.167	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	8421	19.867	ug/l	99
82) 4-Chlorotoluene	12.855	91	80230	21.700	ug/l	98
83) tert-Butylbenzene	13.074	119	78735	21.207	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	88701	21.088	ug/l	99
85) sec-Butylbenzene	13.251	105	119615	21.118	ug/l	99
86) p-Isopropyltoluene	13.367	119	97645	21.093	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	53513	21.912	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	52531	21.076	ug/l	98
89) n-Butylbenzene	13.696	91	88391	19.946	ug/l	99
90) Hexachloroethane	13.958	117	20184	20.934	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	45329	20.533	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3927	20.738	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	27243	20.043	ug/l	100
94) Hexachlorobutadiene	15.111	225	17326	20.899	ug/l	98
95) Naphthalene	15.233	128	50067	18.381	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	23619	19.538	ug/l	98

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

