

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052423\
 Data File : VY013859.D
 Acq On : 24 May 2023 20:15
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 25 07:10:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	207840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	329039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	307434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	134621	55.987	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.980%			
35) Dibromofluoromethane	7.722	113	112463	52.925	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.840%			
50) Toluene-d8	10.179	98	415499	51.447	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.483	95	144148	53.695	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	96038	50.446	ug/l	99
3) Chloromethane	2.113	50	117937	50.849	ug/l	100
4) Vinyl Chloride	2.253	62	116898	49.285	ug/l	100
5) Bromomethane	2.656	94	96704	51.306	ug/l	95
6) Chloroethane	2.796	64	77409	50.085	ug/l	99
7) Trichlorofluoromethane	3.131	101	199089	49.874	ug/l	98
8) Diethyl Ether	3.534	74	65638	53.608	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	99898	46.164	ug/l	98
10) Methyl Iodide	4.094	142	119404	46.478	ug/l	96
11) Tert butyl alcohol	4.978	59	47045	255.400	ug/l #	91
12) 1,1-Dichloroethene	3.881	96	95699	47.073	ug/l	98
13) Acrolein	3.735	56	60582	218.649	ug/l	97
14) Allyl chloride	4.485	41	176284	47.496	ug/l	99
15) Acrylonitrile	5.167	53	170351	271.353	ug/l	98
16) Acetone	3.954	43	158430	221.998	ug/l	98
17) Carbon Disulfide	4.198	76	300472	49.514	ug/l	100
18) Methyl Acetate	4.485	43	134604	54.366	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	299087	53.907	ug/l	98
20) Methylene Chloride	4.722	84	159684	63.808	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	113241	51.241	ug/l	94
22) Diisopropyl ether	6.125	45	386749	53.968	ug/l	98
23) Vinyl Acetate	6.064	43	1110705	266.109	ug/l	100
24) 1,1-Dichloroethane	6.027	63	211975	50.668	ug/l	99
25) 2-Butanone	6.996	43	222365	255.349	ug/l	98
26) 2,2-Dichloropropane	6.984	77	174357	46.268	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	131148	52.826	ug/l	99
28) Bromochloromethane	7.338	49	61098	49.756	ug/l	100
29) Tetrahydrofuran	7.356	42	147112	282.949	ug/l	99
30) Chloroform	7.515	83	227635	53.669	ug/l	99
31) Cyclohexane	7.789	56	167870	45.440	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	194986	50.392	ug/l	98
36) 1,1-Dichloropropene	7.923	75	158333	48.920	ug/l	99
37) Ethyl Acetate	7.082	43	102098	51.714	ug/l	99
38) Carbon Tetrachloride	7.905	117	181581	49.333	ug/l	96
39) Methylcyclohexane	9.185	83	181675	47.930	ug/l	99
40) Benzene	8.167	78	476630	51.272	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	43684	40.553	ug/l #	87
42) 1,2-Dichloroethane	8.240	62	166163	54.593	ug/l	100
43) Isopropyl Acetate	8.277	43	186783	51.918	ug/l	99
44) Trichloroethene	8.941	130	123973	49.500	ug/l	99
45) 1,2-Dichloropropane	9.222	63	124254	52.176	ug/l	97
46) Dibromomethane	9.307	93	73263	53.717	ug/l	99
47) Bromodichloromethane	9.502	83	177968	53.545	ug/l	98
48) Methyl methacrylate	9.295	41	90040	53.298	ug/l	95
49) 1,4-Dioxane	9.307	88	17634	1100.146	ug/l #	96
51) 4-Methyl-2-Pentanone	10.069	43	526087	274.395	ug/l	99
52) Toluene	10.246	92	294544	51.966	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	179736	53.125	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	197738	52.170	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	98235	53.538	ug/l	98
56) Ethyl methacrylate	10.514	69	134230	54.803	ug/l	99
57) 1,3-Dichloropropane	10.794	76	167802	53.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	190976	244.364	ug/l	100
59) 2-Hexanone	10.831	43	367892	269.760	ug/l	100
60) Dibromochloromethane	10.990	129	126698	54.587	ug/l	100
61) 1,2-Dibromoethane	11.087	107	94782	54.301	ug/l	98
64) Tetrachloroethene	10.721	164	110770	48.697	ug/l	98
65) Chlorobenzene	11.520	112	321196	49.848	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	126024	50.675	ug/l	100
67) Ethyl Benzene	11.593	91	564397	48.674	ug/l	100
68) m/p-Xylenes	11.703	106	434334	98.978	ug/l	100
69) o-Xylene	12.032	106	207418	50.180	ug/l	100
70) Styrene	12.044	104	362039	51.707	ug/l	99
71) Bromoform	12.209	173	83679	51.482	ug/l #	99
73) Isopropylbenzene	12.331	105	540568	46.760	ug/l	100
74) N-amyl acetate	12.142	43	166773	47.983	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	119903	50.103	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	92375m	50.438	ug/l	
77) Bromobenzene	12.611	156	139363	49.131	ug/l	98
78) n-propylbenzene	12.672	91	666050	46.636	ug/l	99
79) 2-Chlorotoluene	12.758	91	379792	47.608	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	461317	48.343	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	40500	48.002	ug/l	99
82) 4-Chlorotoluene	12.855	91	401671	48.715	ug/l	98
83) tert-Butylbenzene	13.075	119	389744	46.894	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	462558	49.381	ug/l	99
85) sec-Butylbenzene	13.251	105	579562	46.943	ug/l	100
86) p-Isopropyltoluene	13.367	119	479836	47.024	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	267024	48.739	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	263026	48.223	ug/l	100
89) n-Butylbenzene	13.696	91	457978	46.802	ug/l	99
90) Hexachloroethane	13.959	117	96996	46.297	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	238436	48.971	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20483	48.854	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	144357	47.825	ug/l	100
94) Hexachlorobutadiene	15.111	225	87559	46.007	ug/l	99
95) Naphthalene	15.233	128	289476	44.244	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	129262	48.155	ug/l	98

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

