

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083023\
 Data File : VY015389.D
 Acq On : 30 Aug 2023 19:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/01/2023
 Supervised By : Mahesh Dadoda 09/01/2023

Quant Time: Aug 31 01:04:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 22:47:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	126404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	220271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	208865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	117156	86.460	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 172.920%#			
35) Dibromofluoromethane	7.716	113	102612	80.879	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 161.760%#			
50) Toluene-d8	10.179	98	366181	79.700	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 159.400%#			
62) 4-Bromofluorobenzene	12.483	95	138408	81.147	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 162.300%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	84698	77.084	ug/l	97
3) Chloromethane	2.107	50	126908	86.968	ug/l	99
4) Vinyl Chloride	2.247	62	138789	81.713	ug/l	98
5) Bromomethane	2.631	94	106335	87.986	ug/l	100
6) Chloroethane	2.784	64	95685	85.707	ug/l	98
7) Trichlorofluoromethane	3.113	101	188142	78.309	ug/l	98
8) Diethyl Ether	3.527	74	74115	90.266	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.887	101	103553	77.765	ug/l	96
10) Methyl Iodide	4.082	142	122040	78.042	ug/l	99
11) Tert butyl alcohol	4.966	59	146632	466.684	ug/l #	87
12) 1,1-Dichloroethene	3.863	96	102881	81.876	ug/l	94
13) Acrolein	3.723	56	160295	417.619	ug/l	99
14) Allyl chloride	4.472	41	171591	85.769	ug/l	97
15) Acrylonitrile	5.161	53	252666	489.033	ug/l	99
16) Acetone	3.948	43	207496	366.870	ug/l	95
17) Carbon Disulfide	4.186	76	314958	83.843	ug/l	98
18) Methyl Acetate	4.472	43	231286	112.902	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	375805	92.020	ug/l	99
20) Methylene Chloride	4.710	84	154099	94.463	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	125186	86.518	ug/l	96
22) Diisopropyl ether	6.118	45	390232	89.186	ug/l	91
23) Vinyl Acetate	6.058	43	1152471	472.382	ug/l	96
24) 1,1-Dichloroethane	6.015	63	221914	87.735	ug/l	97
25) 2-Butanone	6.984	43	367007	457.509	ug/l	96
26) 2,2-Dichloropropane	6.978	77	128236	59.692	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	145077	88.382	ug/l	93
28) Bromochloromethane	7.332	49	66884	86.230	ug/l	96
29) Tetrahydrofuran	7.344	42	248363	493.026	ug/l	94
30) Chloroform	7.502	83	232401	87.403	ug/l	96
31) Cyclohexane	7.783	56	179817	74.706	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	197621	83.210	ug/l	99
36) 1,1-Dichloropropene	7.917	75	168975	75.851	ug/l	99
37) Ethyl Acetate	7.070	43	151577	88.222	ug/l	97
38) Carbon Tetrachloride	7.899	117	174681	75.921	ug/l	99
39) Methylcyclohexane	9.185	83	208359	74.292	ug/l	92
40) Benzene	8.155	78	513043	82.545	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	79047m	89.703	ug/l	
42) 1,2-Dichloroethane	8.234	62	171598	82.796	ug/l	95
43) Isopropyl Acetate	8.271	43	259203	87.244	ug/l	98
44) Trichloroethene	8.935	130	142327	80.936	ug/l	99
45) 1,2-Dichloropropane	9.215	63	131997	84.245	ug/l	98
46) Dibromomethane	9.301	93	88968	85.483	ug/l	96
47) Bromodichloromethane	9.496	83	187422	84.208	ug/l	98
48) Methyl methacrylate	9.295	41	120783	88.606	ug/l	92
49) 1,4-Dioxane	9.301	88	34295	1774.017	ug/l #	48
51) 4-Methyl-2-Pentanone	10.069	43	804858	466.091	ug/l	94
52) Toluene	10.246	92	325815	81.789	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	187046	79.076	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	202194	78.580	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	120808	86.147	ug/l	97
56) Ethyl methacrylate	10.508	69	187200	90.081	ug/l	89
57) 1,3-Dichloropropane	10.788	76	207222	85.843	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	317452	427.974	ug/l	96
59) 2-Hexanone	10.831	43	597023	460.765	ug/l	92
60) Dibromochloromethane	10.983	129	142384	86.747	ug/l	100
61) 1,2-Dibromoethane	11.087	107	124200	87.405	ug/l	99
64) Tetrachloroethene	10.721	164	162088	85.499	ug/l	97
65) Chlorobenzene	11.514	112	354128	78.682	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	133811	81.228	ug/l	98
67) Ethyl Benzene	11.593	91	626611	77.534	ug/l	98
68) m/p-Xylenes	11.703	106	482727	154.097	ug/l	96
69) o-Xylene	12.026	106	237383	79.291	ug/l	97
70) Styrene	12.044	104	410345	81.517	ug/l	96
71) Bromoform	12.209	173	100769	87.691	ug/l #	99
73) Isopropylbenzene	12.331	105	606708	74.951	ug/l	100
74) N-amyl acetate	12.142	43	225421	82.890	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	160647	83.135	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	127483m	89.573	ug/l	
77) Bromobenzene	12.605	156	150682	78.595	ug/l	96
78) n-propylbenzene	12.672	91	735162	75.056	ug/l	100
79) 2-Chlorotoluene	12.758	91	421321	76.690	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	512751	75.731	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	45051	69.538	ug/l	99
82) 4-Chlorotoluene	12.855	91	437739	76.666	ug/l	99
83) tert-Butylbenzene	13.075	119	437304	73.741	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	515201	76.638	ug/l	99
85) sec-Butylbenzene	13.251	105	652634	73.784	ug/l	100
86) p-Isopropyltoluene	13.367	119	552414	74.516	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	290774	76.824	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	291266	76.128	ug/l	99
89) n-Butylbenzene	13.696	91	507436	72.724	ug/l	97
90) Hexachloroethane	13.959	117	104121	78.530	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	274093	79.353	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	32279	84.443	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	168408	77.636	ug/l	99
94) Hexachlorobutadiene	15.111	225	86641	73.248	ug/l	97
95) Naphthalene	15.233	128	476336	88.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	161370	81.557	ug/l	99

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

