

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015307.D
 Acq On : 24 Aug 2023 12:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/25/2023
 Supervised By :Semsettin Yesilyurt 08/25/2023

Quant Time: Aug 25 03:16:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	155764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	258964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	235031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	109518	58.572	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.140%			
35) Dibromofluoromethane	7.716	113	95827	57.519	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.040%			
50) Toluene-d8	10.179	98	342775	55.270	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.540%			
62) 4-Bromofluorobenzene	12.483	95	127230	56.167	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31570	47.030	ug/l	97
3) Chloromethane	2.107	50	47681	51.361	ug/l	97
4) Vinyl Chloride	2.247	62	58766	47.412	ug/l	100
5) Bromomethane	2.644	94	42829	49.242	ug/l	100
6) Chloroethane	2.784	64	48656	54.069	ug/l	98
7) Trichlorofluoromethane	3.113	101	107539	51.491	ug/l	98
8) Diethyl Ether	3.528	74	46442	56.700	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	66656	51.353	ug/l	96
10) Methyl Iodide	4.082	142	64801	50.842	ug/l	98
11) Tert butyl alcohol	4.979	59	87632	287.069	ug/l #	83
12) 1,1-Dichloroethene	3.863	96	54629	50.402	ug/l	91
13) Acrolein	3.729	56	28812	237.099	ug/l	98
14) Allyl chloride	4.473	41	101336	52.733	ug/l	98
15) Acrylonitrile	5.161	53	175910	316.909	ug/l	99
16) Acetone	3.954	43	182766	299.207	ug/l	94
17) Carbon Disulfide	4.192	76	83624	43.840	ug/l	100
18) Methyl Acetate	4.479	43	143529	64.120	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	264376	57.366	ug/l	99
20) Methylene Chloride	4.710	84	87537	60.694	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	62890	51.440	ug/l	97
22) Diisopropyl ether	6.119	45	273855	57.112	ug/l	92
23) Vinyl Acetate	6.058	43	827812	289.326	ug/l	95
24) 1,1-Dichloroethane	6.009	63	142078	54.730	ug/l	97
25) 2-Butanone	6.984	43	270193	312.406	ug/l	98
26) 2,2-Dichloropropane	6.978	77	124933	49.922	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	89801	53.771	ug/l	96
28) Bromochloromethane	7.332	49	62857	52.702	ug/l	96
29) Tetrahydrofuran	7.350	42	160793	310.923	ug/l	94
30) Chloroform	7.502	83	161688	55.560	ug/l	99
31) Cyclohexane	7.783	56	86618	51.963	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	132289	53.420	ug/l	99
36) 1,1-Dichloropropene	7.917	75	95548	51.840	ug/l	99
37) Ethyl Acetate	7.076	43	104250	60.680	ug/l	97
38) Carbon Tetrachloride	7.899	117	110433	50.626	ug/l	97
39) Methylcyclohexane	9.185	83	102730	49.719	ug/l	94
40) Benzene	8.161	78	299529	53.752	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	43575	49.187	ug/l	87
42) 1,2-Dichloroethane	8.234	62	113525	56.096	ug/l	95
43) Isopropyl Acetate	8.271	43	184109	58.847	ug/l	99
44) Trichloroethene	8.941	130	83883	52.250	ug/l	96
45) 1,2-Dichloropropane	9.216	63	88540	56.347	ug/l	99
46) Dibromomethane	9.307	93	57192	57.708	ug/l	95
47) Bromodichloromethane	9.496	83	134194	56.744	ug/l	98
48) Methyl methacrylate	9.295	41	83708	62.545	ug/l	94
49) 1,4-Dioxane	9.307	88	23920	1207.002	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	582715	321.370	ug/l	95
52) Toluene	10.246	92	195794	53.308	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	134559	54.140	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	143074	54.660	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	87182	57.855	ug/l	96
56) Ethyl methacrylate	10.508	69	127974	58.029	ug/l	91
57) 1,3-Dichloropropane	10.788	76	143503	58.288	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	273000	265.999	ug/l	95
59) 2-Hexanone	10.831	43	433385	322.945	ug/l	94
60) Dibromochloromethane	10.984	129	103341	57.490	ug/l	100
61) 1,2-Dibromoethane	11.087	107	80889	56.505	ug/l	100
64) Tetrachloroethene	10.721	164	89720	54.792	ug/l	97
65) Chlorobenzene	11.514	112	230917	53.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	96106	55.311	ug/l	99
67) Ethyl Benzene	11.593	91	397660	53.000	ug/l	100
68) m/p-Xylenes	11.703	106	300591	105.483	ug/l	96
69) o-Xylene	12.026	106	153337	54.015	ug/l	97
70) Styrene	12.044	104	269803	54.913	ug/l	97
71) Bromoform	12.209	173	72958	57.922	ug/l #	98
73) Isopropylbenzene	12.331	105	412371	51.650	ug/l	100
74) N-amyl acetate	12.142	43	165402	57.379	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	124170	59.715	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	94266m	62.491	ug/l	
77) Bromobenzene	12.611	156	102214	52.522	ug/l	94
78) n-propylbenzene	12.672	91	494146	52.120	ug/l	100
79) 2-Chlorotoluene	12.758	91	282789	51.705	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	345703	51.945	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	38691	56.338	ug/l	99
82) 4-Chlorotoluene	12.855	91	295013	52.210	ug/l	100
83) tert-Butylbenzene	13.075	119	313712	51.535	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	345559	51.962	ug/l	99
85) sec-Butylbenzene	13.251	105	466083	52.256	ug/l	100
86) p-Isopropyltoluene	13.367	119	384849	52.043	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	205479	53.233	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	205754	53.145	ug/l	98
89) n-Butylbenzene	13.696	91	369876	53.049	ug/l	97
90) Hexachloroethane	13.959	117	74918	51.068	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	195140	54.116	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24074	59.765	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	125302	54.126	ug/l	98
94) Hexachlorobutadiene	15.111	225	63770	50.641	ug/l	98
95) Naphthalene	15.233	128	336297	58.316	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	117856	56.371	ug/l	99

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

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