

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015259.D
 Acq On : 22 Aug 2023 20:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 23 02:47:51 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

Manual Integrations APPROVED

Reviewed By :Romaben Patel 08/23/2023
 Supervised By :Mahesh Dadoda 08/23/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	119584	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	212780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	200455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	111712	77.821	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 155.640%			
35) Dibromofluoromethane	7.722	113	96534	70.520	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 141.040%			
50) Toluene-d8	10.179	98	338267	66.382	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 132.760%			
62) 4-Bromofluorobenzene	12.483	95	122946	66.057	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 132.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31712	63.258	ug/l	97
3) Chloromethane	2.113	50	50637	72.632	ug/l	99
4) Vinyl Chloride	2.247	62	60515	63.595	ug/l	96
5) Bromomethane	2.637	94	52784	87.959	ug/l	98
6) Chloroethane	2.784	64	49235	71.265	ug/l	97
7) Trichlorofluoromethane	3.119	101	103846	64.766	ug/l	99
8) Diethyl Ether	3.534	74	47328	75.263	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.899	101	63985	64.209	ug/l	95
10) Methyl Iodide	4.088	142	56565	57.807	ug/l	99
11) Tert butyl alcohol	4.966	59	82280	354.948	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	54209	65.146	ug/l	92
13) Acrolein	3.729	56	21864	233.803	ug/l	100
14) Allyl chloride	4.479	41	99559	67.483	ug/l	97
15) Acrylonitrile	5.161	53	178452	418.754	ug/l	100
16) Acetone	3.954	43	148075	315.757	ug/l	98
17) Carbon Disulfide	4.192	76	90053	61.494	ug/l	99
18) Methyl Acetate	4.479	43	143600	83.560	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	271313	76.682	ug/l	98
20) Methylene Chloride	4.716	84	92841	85.651	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	65110	69.369	ug/l	94
22) Diisopropyl ether	6.119	45	281780	76.544	ug/l	93
23) Vinyl Acetate	6.064	43	793063	361.042	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	147641	74.079	ug/l	96
25) 2-Butanone	6.990	43	257180	387.326	ug/l	96
26) 2,2-Dichloropropane	6.984	77	90078	46.884	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	96082	74.938	ug/l	90
28) Bromochloromethane	7.338	49	56524	61.731	ug/l	97
29) Tetrahydrofuran	7.350	42	166601	419.621	ug/l	94
30) Chloroform	7.509	83	167245	74.856	ug/l	98
31) Cyclohexane	7.783	56	85301	67.416	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	132596	69.743	ug/l	99
36) 1,1-Dichloropropene	7.917	75	96656	63.824	ug/l	99
37) Ethyl Acetate	7.076	43	104366	73.933	ug/l	98
38) Carbon Tetrachloride	7.899	117	110885	61.867	ug/l	98
39) Methylcyclohexane	9.185	83	99764	58.763	ug/l	94
40) Benzene	8.161	78	315517	68.911	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	60623	83.284	ug/l #	83
42) 1,2-Dichloroethane	8.234	62	118471	71.246	ug/l	97
43) Isopropyl Acetate	8.277	43	189415	73.683	ug/l	98
44) Trichloroethene	8.941	130	89677	67.984	ug/l	99
45) 1,2-Dichloropropane	9.216	63	91396	70.789	ug/l	94
46) Dibromomethane	9.307	93	58698	72.083	ug/l	96
47) Bromodichloromethane	9.496	83	137122	70.567	ug/l	98
48) Methyl methacrylate	9.295	41	85709	77.941	ug/l	95
49) 1,4-Dioxane	9.301	88	23938	1470.087	ug/l #	49
51) 4-Methyl-2-Pentanone	10.069	43	576293	386.813	ug/l	95
52) Toluene	10.246	92	201014	66.608	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	125347	61.380	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	135476	62.992	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	88158	71.200	ug/l	96
56) Ethyl methacrylate	10.508	69	128848	71.106	ug/l	91
57) 1,3-Dichloropropane	10.788	76	144769	71.565	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	257688	305.576	ug/l	95
59) 2-Hexanone	10.831	43	412247	373.871	ug/l	93
60) Dibromochloromethane	10.984	129	103630	70.164	ug/l	99
61) 1,2-Dibromoethane	11.087	107	82511	70.149	ug/l	98
64) Tetrachloroethene	10.721	164	107895	77.257	ug/l	97
65) Chlorobenzene	11.514	112	235371	64.444	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	99310	67.013	ug/l	99
67) Ethyl Benzene	11.593	91	399653	62.454	ug/l	99
68) m/p-Xylenes	11.703	106	305160	125.558	ug/l	95
69) o-Xylene	12.032	106	156045	64.451	ug/l	97
70) Styrene	12.044	104	274043	65.397	ug/l	97
71) Bromoform	12.209	173	72527	67.512	ug/l #	99
73) Isopropylbenzene	12.331	105	406566	59.638	ug/l	100
74) N-amyl acetate	12.142	43	161069	65.440	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	118399	66.685	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	95139m	73.865	ug/l	
77) Bromobenzene	12.611	156	103078	62.031	ug/l	96
78) n-propylbenzene	12.672	91	477946	59.040	ug/l	100
79) 2-Chlorotoluene	12.758	91	286499	61.349	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	342277	60.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	30323	51.710	ug/l	99
82) 4-Chlorotoluene	12.855	91	296032	61.358	ug/l	99
83) tert-Butylbenzene	13.075	119	314174	60.445	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	345094	60.773	ug/l	99
85) sec-Butylbenzene	13.251	105	451632	59.303	ug/l	99
86) p-Isopropyltoluene	13.367	119	372301	58.963	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	202228	61.357	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	204236	61.781	ug/l	99
89) n-Butylbenzene	13.696	91	339846	57.085	ug/l	97
90) Hexachloroethane	13.959	117	72940	58.230	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	198210	64.375	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23312	67.778	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	118862	60.132	ug/l	99
94) Hexachlorobutadiene	15.111	225	60204	55.992	ug/l	97
95) Naphthalene	15.239	128	326226	66.251	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	113586	63.627	ug/l	98

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

