

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015020.D
 Acq On : 10 Aug 2023 11:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 10 14:21:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 08/11/2023
 Supervised By :Mahesh Dadoda 08/11/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	327689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	537226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	487224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	244379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	207908	52.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.700%	
35) Dibromofluoromethane	7.709	113	187921	54.701	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.400%	
50) Toluene-d8	10.179	98	682582	52.201	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.400%	
62) 4-Bromofluorobenzene	12.477	95	249708	53.881	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.760%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	75520	40.890	ug/l	97
3) Chloromethane	2.107	50	118413	45.916	ug/l	98
4) Vinyl Chloride	2.247	62	142292	44.778	ug/l	97
5) Bromomethane	2.637	94	107974	53.357	ug/l	97
6) Chloroethane	2.784	64	103883	47.347	ug/l	98
7) Trichlorofluoromethane	3.113	101	225493	44.904	ug/l	99
8) Diethyl Ether	3.521	74	91550	49.406	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	132664	44.628	ug/l	98
10) Methyl Iodide	4.082	142	166601	54.207	ug/l	98
11) Tert butyl alcohol	4.948	59	193102	201.455	ug/l #	88
12) 1,1-Dichloroethene	3.863	96	121947	47.081	ug/l	91
13) Acrolein	3.716	56	95286	292.215	ug/l	98
14) Allyl chloride	4.472	41	214410	49.710	ug/l	97
15) Acrylonitrile	5.155	53	284066	250.928	ug/l	99
16) Acetone	3.942	43	337490	272.500	ug/l	94
17) Carbon Disulfide	4.186	76	249217	43.519	ug/l	97
18) Methyl Acetate	4.472	43	227155	50.364	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	504193	51.452	ug/l	98
20) Methylene Chloride	4.704	84	206137	41.526	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	141122	47.800	ug/l	97
22) Diisopropyl ether	6.112	45	513521	51.114	ug/l	91
23) Vinyl Acetate	6.051	43	1521679	251.959	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	285069	50.024	ug/l	97
25) 2-Butanone	6.978	43	447251	252.129	ug/l	95
26) 2,2-Dichloropropane	6.972	77	279218	48.424	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	187843	50.276	ug/l	96
28) Bromochloromethane	7.325	49	129456	50.393	ug/l	89
29) Tetrahydrofuran	7.344	42	255602	245.713	ug/l	91
30) Chloroform	7.496	83	315253	50.926	ug/l	98
31) Cyclohexane	7.777	56	188887	45.670	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	271883	49.837	ug/l	98
36) 1,1-Dichloropropene	7.911	75	200127	46.921	ug/l	99
37) Ethyl Acetate	7.069	43	169910	50.187	ug/l #	97
38) Carbon Tetrachloride	7.892	117	232145	48.415	ug/l	97
39) Methylcyclohexane	9.179	83	223177	44.000	ug/l	93
40) Benzene	8.154	78	616054	49.052	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	88422m	53.743	ug/l	
42) 1,2-Dichloroethane	8.234	62	218365	49.949	ug/l	95
43) Isopropyl Acetate	8.270	43	316774	50.361	ug/l	96
44) Trichloroethene	8.935	130	179758	49.881	ug/l	95
45) 1,2-Dichloropropane	9.209	63	165155	49.480	ug/l	99
46) Dibromomethane	9.301	93	108650	50.530	ug/l	98
47) Bromodichloromethane	9.490	83	259110	52.329	ug/l	100
48) Methyl methacrylate	9.288	41	140672	50.972	ug/l	93
49) 1,4-Dioxane	9.295	88	39670	991.870	ug/l #	54
51) 4-Methyl-2-Pentanone	10.063	43	899805	253.847	ug/l	94
52) Toluene	10.239	92	398904	49.357	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	273886	53.115	ug/l	99
54) cis-1,3-Dichloropropene	9.922	75	288385	51.764	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	159094	50.908	ug/l	97
56) Ethyl methacrylate	10.508	69	236772	52.911	ug/l	91
57) 1,3-Dichloropropane	10.788	76	263555	50.973	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	485430	229.423	ug/l	91
59) 2-Hexanone	10.825	43	675708	258.051	ug/l	92
60) Dibromochloromethane	10.983	129	196726	52.868	ug/l	100
61) 1,2-Dibromoethane	11.087	107	153806	51.562	ug/l	100
64) Tetrachloroethene	10.715	164	193907	52.908	ug/l	98
65) Chlorobenzene	11.514	112	465810	50.384	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	187987	51.891	ug/l	99
67) Ethyl Benzene	11.587	91	808501	49.831	ug/l	100
68) m/p-Xylenes	11.697	106	615851	99.221	ug/l	96
69) o-Xylene	12.026	106	307871	50.691	ug/l	98
70) Styrene	12.044	104	536911	51.728	ug/l	97
71) Bromoform	12.203	173	134420	53.832	ug/l #	100
73) Isopropylbenzene	12.324	105	808211	49.198	ug/l	100
74) N-amyl acetate	12.142	43	288630	51.425	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	200451	49.931	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	144947m	49.500	ug/l	
77) Bromobenzene	12.605	156	204663	51.362	ug/l	99
78) n-propylbenzene	12.666	91	959658	48.842	ug/l	99
79) 2-Chlorotoluene	12.751	91	567213	50.653	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	682785	50.437	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	72007	54.174	ug/l	96
82) 4-Chlorotoluene	12.849	91	583293	50.388	ug/l	99
83) tert-Butylbenzene	13.074	119	617878	49.893	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	688462	50.760	ug/l	99
85) sec-Butylbenzene	13.251	105	895791	49.285	ug/l	99
86) p-Isopropyltoluene	13.367	119	755174	50.194	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	399876	51.269	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	394517	50.720	ug/l	99
89) n-Butylbenzene	13.696	91	707673	50.062	ug/l	97
90) Hexachloroethane	13.958	117	151006	51.685	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	369765	51.368	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	39873	50.869	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	243641	52.893	ug/l	98
94) Hexachlorobutadiene	15.111	225	127125	50.894	ug/l	98
95) Naphthalene	15.232	128	605769	55.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	216544	51.936	ug/l	99

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

