

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013612.D
 Acq On : 04 May 2023 19:56
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 05 01:01:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	245089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	377176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	145622	54.201	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.400%			
35) Dibromofluoromethane	7.716	113	126458	53.307	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.620%			
50) Toluene-d8	10.179	98	423110	50.137	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.280%			
62) 4-Bromofluorobenzene	12.477	95	159858	56.188	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.380%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	124973	53.636	ug/l	99
3) Chloromethane	2.107	50	138956	44.491	ug/l	99
4) Vinyl Chloride	2.247	62	139797	44.954	ug/l	99
5) Bromomethane	2.650	94	109500	44.186	ug/l	99
6) Chloroethane	2.790	64	95269	44.345	ug/l	100
7) Trichlorofluoromethane	3.119	101	241780	51.323	ug/l	97
8) Diethyl Ether	3.527	74	83650	52.143	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	132820	50.263	ug/l	99
10) Methyl Iodide	4.088	142	144571	43.560	ug/l	98
11) Tert butyl alcohol	4.978	59	100247	331.058	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	123146	48.346	ug/l	95
13) Acrolein	3.729	56	52049	220.682	ug/l	92
14) Allyl chloride	4.472	41	230007	48.665	ug/l	97
15) Acrylonitrile	5.161	53	281387	313.194	ug/l	98
16) Acetone	3.948	43	276017	260.872	ug/l	97
17) Carbon Disulfide	4.192	76	366476	44.292	ug/l	99
18) Methyl Acetate	4.472	43	215411	61.642	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	414557	56.374	ug/l	100
20) Methylene Chloride	4.710	84	174523	53.165	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	140202	50.342	ug/l	98
22) Diisopropyl ether	6.112	45	494575	53.538	ug/l	94
23) Vinyl Acetate	6.058	43	1620691	309.857	ug/l	96
24) 1,1-Dichloroethane	6.009	63	264601	51.393	ug/l	98
25) 2-Butanone	6.990	43	412448	307.373	ug/l	94
26) 2,2-Dichloropropane	6.978	77	227507	51.281	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	163940	53.278	ug/l	96
28) Bromochloromethane	7.332	49	99370	54.389	ug/l	83
29) Tetrahydrofuran	7.350	42	270487	323.831	ug/l	93
30) Chloroform	7.502	83	280791	54.853	ug/l	100
31) Cyclohexane	7.783	56	221411	46.028	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	248943	54.498	ug/l	97
36) 1,1-Dichloropropene	7.911	75	201487	51.176	ug/l	99
37) Ethyl Acetate	7.076	43	183244	61.848	ug/l	96
38) Carbon Tetrachloride	7.899	117	228887	55.467	ug/l	93
39) Methylcyclohexane	9.179	83	236424	50.938	ug/l	95
40) Benzene	8.155	78	591139	53.302	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	77510m	56.140	ug/l	
42) 1,2-Dichloroethane	8.234	62	211490	58.329	ug/l	98
43) Isopropyl Acetate	8.271	43	303790	60.747	ug/l	97
44) Trichloroethene	8.935	130	155656	52.764	ug/l	97
45) 1,2-Dichloropropane	9.215	63	155386	53.586	ug/l	97
46) Dibromomethane	9.301	93	97388	56.131	ug/l	98
47) Bromodichloromethane	9.496	83	222430	57.293	ug/l	96
48) Methyl methacrylate	9.289	41	141655	61.676	ug/l	95
49) 1,4-Dioxane	9.313	88	34807	1404.656	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	921148	330.548	ug/l	97
52) Toluene	10.240	92	367003	54.991	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	235075	57.212	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	251384	54.372	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	134044	58.339	ug/l	96
56) Ethyl methacrylate	10.508	69	202069	63.391	ug/l	92
57) 1,3-Dichloropropane	10.788	76	227904	58.567	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	357804	299.335	ug/l	95
59) 2-Hexanone	10.831	43	688983	340.116	ug/l	96
60) Dibromochloromethane	10.983	129	164242	58.870	ug/l	99
61) 1,2-Dibromoethane	11.087	107	131630	58.269	ug/l	100
64) Tetrachloroethene	10.715	164	145690	55.602	ug/l	95
65) Chlorobenzene	11.514	112	397059	52.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	157729	56.184	ug/l	98
67) Ethyl Benzene	11.587	91	712536	54.057	ug/l	100
68) m/p-Xylenes	11.703	106	541789	108.123	ug/l	97
69) o-Xylene	12.026	106	259638	54.787	ug/l	97
70) Styrene	12.038	104	445412	56.212	ug/l	99
71) Bromoform	12.203	173	119547	60.795	ug/l	99
73) Isopropylbenzene	12.325	105	682514	51.398	ug/l	98
74) N-amyl acetate	12.142	43	270555	57.255	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	178697	55.056	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	129575m	54.727	ug/l	
77) Bromobenzene	12.605	156	172313	53.554	ug/l	93
78) n-propylbenzene	12.666	91	839227	51.310	ug/l	97
79) 2-Chlorotoluene	12.751	91	476142	52.130	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	570457	52.634	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	65343	56.453	ug/l	96
82) 4-Chlorotoluene	12.849	91	488858	51.351	ug/l	99
83) tert-Butylbenzene	13.075	119	502809	53.548	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	566887	53.798	ug/l	99
85) sec-Butylbenzene	13.251	105	733961	52.082	ug/l	99
86) p-Isopropyltoluene	13.367	119	605521	53.431	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	325824	53.153	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	324566	52.415	ug/l	99
89) n-Butylbenzene	13.696	91	579998	52.436	ug/l	98
90) Hexachloroethane	13.959	117	121707	51.027	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	301053	54.386	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	36044	62.878	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	197269	59.773	ug/l	98
94) Hexachlorobutadiene	15.111	225	113901	59.301	ug/l	99
95) Naphthalene	15.233	128	470849	65.754	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	183671	62.440	ug/l	98

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

