

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013637.D
 Acq On : 05 May 2023 19:48
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/08/2023
 Supervised By :Mahesh Dadoda 05/08/2023

Quant Time: May 08 00:26:17 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	7.789	168	243362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	377765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	347168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	176111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	143492	53.787	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.580%			
35) Dibromofluoromethane	7.716	113	124086	52.225	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.460%			
50) Toluene-d8	10.179	98	419190	49.595	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.180%			
62) 4-Bromofluorobenzene	12.477	95	157773	55.369	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	119324	51.575	ug/l	99
3) Chloromethane	2.107	50	137297	44.272	ug/l	100
4) Vinyl Chloride	2.247	62	135843	43.993	ug/l	100
5) Bromomethane	2.650	94	106036	43.092	ug/l	97
6) Chloroethane	2.790	64	91551	42.917	ug/l	100
7) Trichlorofluoromethane	3.125	101	236878	50.639	ug/l	97
8) Diethyl Ether	3.528	74	81786	51.343	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	128331	48.909	ug/l	97
10) Methyl Iodide	4.088	142	136850	41.526	ug/l	97
11) Tert butyl alcohol	4.979	59	82618	274.886	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	119800	47.366	ug/l	94
13) Acrolein	3.723	56	45705	194.098	ug/l	98
14) Allyl chloride	4.473	41	225784	48.111	ug/l	98
15) Acrylonitrile	5.161	53	251368	281.768	ug/l	98
16) Acetone	3.954	43	228207	217.216	ug/l	90
17) Carbon Disulfide	4.192	76	351453	42.778	ug/l	100
18) Methyl Acetate	4.473	43	190395	54.870	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	405408	55.521	ug/l	98
20) Methylene Chloride	4.716	84	162734	49.337	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	138622	50.128	ug/l	95
22) Diisopropyl ether	6.119	45	485671	52.947	ug/l	97
23) Vinyl Acetate	6.058	43	1570208	302.336	ug/l	96
24) 1,1-Dichloroethane	6.015	63	262783	51.402	ug/l	98
25) 2-Butanone	6.984	43	347874	261.090	ug/l	96
26) 2,2-Dichloropropane	6.972	77	223629	50.764	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	160890	52.657	ug/l	96
28) Bromochloromethane	7.332	49	96777	53.345	ug/l	87
29) Tetrahydrofuran	7.350	42	235997	284.544	ug/l	93
30) Chloroform	7.503	83	276867	54.470	ug/l	100
31) Cyclohexane	7.783	56	214716	44.953	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	244816	53.975	ug/l	98
36) 1,1-Dichloropropene	7.917	75	193128	48.977	ug/l	98
37) Ethyl Acetate	7.070	43	164312	55.372	ug/l	96
38) Carbon Tetrachloride	7.899	117	224546	54.330	ug/l	95
39) Methylcyclohexane	9.179	83	226582	48.741	ug/l	97
40) Benzene	8.155	78	573381	51.620	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	79986	57.843	ug/l	98
42) 1,2-Dichloroethane	8.234	62	203330	55.991	ug/l	97
43) Isopropyl Acetate	8.271	43	279183	55.739	ug/l	96
44) Trichloroethene	8.935	130	153057	51.802	ug/l	98
45) 1,2-Dichloropropane	9.216	63	151365	52.118	ug/l	98
46) Dibromomethane	9.301	93	93292	53.686	ug/l	98
47) Bromodichloromethane	9.496	83	216892	55.779	ug/l	99
48) Methyl methacrylate	9.289	41	130494	56.728	ug/l	95
49) 1,4-Dioxane	9.313	88	30356	1223.124	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	822544	294.704	ug/l	97
52) Toluene	10.240	92	359548	53.790	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	228765	55.590	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	246411	53.214	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	129201	56.144	ug/l	97
56) Ethyl methacrylate	10.508	69	189354	59.309	ug/l	91
57) 1,3-Dichloropropane	10.788	76	217465	55.797	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	345791	288.834	ug/l	95
59) 2-Hexanone	10.831	43	595722	293.619	ug/l	97
60) Dibromochloromethane	10.984	129	157324	56.303	ug/l	98
61) 1,2-Dibromoethane	11.087	107	125788	55.597	ug/l	100
64) Tetrachloroethene	10.715	164	136914	51.864	ug/l	98
65) Chlorobenzene	11.514	112	390523	51.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	156038	55.168	ug/l	99
67) Ethyl Benzene	11.587	91	699941	52.706	ug/l	99
68) m/p-Xylenes	11.697	106	529723	104.928	ug/l	97
69) o-Xylene	12.026	106	255242	53.459	ug/l	97
70) Styrene	12.038	104	434703	54.452	ug/l	99
71) Bromoform	12.203	173	114655	57.873	ug/l	100
73) Isopropylbenzene	12.325	105	672878	50.515	ug/l	98
74) N-amyl acetate	12.142	43	252998	53.373	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	167962	51.588	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	142608m	60.044	ug/l	
77) Bromobenzene	12.605	156	170112	52.706	ug/l	95
78) n-propylbenzene	12.666	91	822857	50.152	ug/l	97
79) 2-Chlorotoluene	12.752	91	466219	50.885	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	560019	51.510	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	59364	51.128	ug/l	95
82) 4-Chlorotoluene	12.849	91	478013	50.056	ug/l	99
83) tert-Butylbenzene	13.069	119	477714	50.717	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	553909	52.403	ug/l	99
85) sec-Butylbenzene	13.251	105	713048	50.440	ug/l	99
86) p-Isopropyltoluene	13.367	119	588015	51.725	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	317549	51.642	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	317142	51.057	ug/l	99
89) n-Butylbenzene	13.690	91	561082	50.568	ug/l	99
90) Hexachloroethane	13.959	117	118441	49.503	ug/l	98
91) 1,2-Dichlorobenzene	13.733	146	296751	53.442	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	32546	56.599	ug/l	96
93) 1,2,4-Trichlorobenzene	15.001	180	188356	56.894	ug/l	100
94) Hexachlorobutadiene	15.111	225	111049	57.636	ug/l	99
95) Naphthalene	15.233	128	441473	61.460	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	177418	60.127	ug/l	99

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

