

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012523\
 Data File : VY012352.D
 Acq On : 25 Jan 2023 09:46
 Operator : KP/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 :Krupa Patel 01/26/2023
 Supervised By :Mahesh Dadoda 01/26/2023

Quant Time: Jan 26 04:01:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	167297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	230121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	121699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	67519	48.579	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.160%		
35) Dibromofluoromethane	7.722	113	60416	46.273	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.540%		
50) Toluene-d8	10.179	98	223930	49.453	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.900%		
62) 4-Bromofluorobenzene	12.483	95	88045	47.836	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	63534	43.456	ug/l	98
3) Chloromethane	2.119	50	58318	43.209	ug/l	98
4) Vinyl Chloride	2.253	62	73417	46.604	ug/l	100
5) Bromomethane	2.656	94	57385	47.115	ug/l	100
6) Chloroethane	2.796	64	49192	47.880	ug/l	100
7) Trichlorofluoromethane	3.131	101	155481	50.569	ug/l	97
8) Diethyl Ether	3.534	74	42274	46.206	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.905	101	75462	50.429	ug/l	93
10) Methyl Iodide	4.094	142	103269	45.411	ug/l	94
11) Tert butyl alcohol	4.960	59	35178	211.892	ug/l	99
12) 1,1-Dichloroethene	3.875	96	75227	48.959	ug/l	95
13) Acrolein	3.735	56	9869	146.738	ug/l	97
14) Allyl chloride	4.485	41	88393	46.526	ug/l #	80
15) Acrylonitrile	5.167	53	96210	240.751	ug/l	99
16) Acetone	3.948	43	113917	244.537	ug/l	100
17) Carbon Disulfide	4.198	76	220277	46.348	ug/l	98
18) Methyl Acetate	4.479	43	48297	46.332	ug/l #	85
19) Methyl tert-butyl Ether	5.222	73	210247	49.086	ug/l	95
20) Methylene Chloride	4.722	84	86083	43.018	ug/l #	86
21) trans-1,2-Dichloroethene	5.222	96	85715	49.991	ug/l	92
22) Diisopropyl ether	6.125	45	184500	48.711	ug/l #	91
23) Vinyl Acetate	6.064	43	571976	242.343	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	129948	49.464	ug/l	97
25) 2-Butanone	6.984	43	123452	240.044	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	143229	50.222	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	93645	49.721	ug/l	94
28) Bromochloromethane	7.332	49	25585	44.592	ug/l #	71
29) Tetrahydrofuran	7.350	42	67523	239.024	ug/l #	80
30) Chloroform	7.508	83	160824	51.858	ug/l	98
31) Cyclohexane	7.789	56	114423	46.910	ug/l	84
32) 1,1,1-Trichloroethane	7.704	97	160322	52.218	ug/l	98
36) 1,1-Dichloropropene	7.917	75	115258	51.942	ug/l	97
37) Ethyl Acetate	7.076	43	46377	47.410	ug/l #	95
38) Carbon Tetrachloride	7.905	117	154444	53.892	ug/l	96
39) Methylcyclohexane	9.185	83	145576	53.684	ug/l	93
40) Benzene	8.161	78	332022	51.842	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	28190m	49.027	ug/l	
42) 1,2-Dichloroethane	8.240	62	108952	53.436	ug/l	98
43) Isopropyl Acetate	8.271	43	89489	49.171	ug/l #	91
44) Trichloroethene	8.941	130	100390	52.443	ug/l	94
45) 1,2-Dichloropropane	9.215	63	68526	51.277	ug/l	100
46) Dibromomethane	9.307	93	46790	52.300	ug/l	95
47) Bromodichloromethane	9.496	83	119458	53.045	ug/l	98
48) Methyl methacrylate	9.295	41	41495	49.484	ug/l	83
49) 1,4-Dioxane	9.301	88	12299	1008.890	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	244808	252.262	ug/l	94
52) Toluene	10.246	92	228418	53.566	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	122123	51.843	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	131250	51.737	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	68129	53.599	ug/l	95
56) Ethyl methacrylate	10.508	69	88061	52.808	ug/l	92
57) 1,3-Dichloropropane	10.794	76	108443	52.240	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	131258	237.882	ug/l #	88
59) 2-Hexanone	10.831	43	190707	258.112	ug/l	95
60) Dibromochloromethane	10.983	129	90010	53.391	ug/l	100
61) 1,2-Dibromoethane	11.093	107	63647	51.892	ug/l	99
64) Tetrachloroethene	10.721	164	118048	56.218	ug/l	97
65) Chlorobenzene	11.520	112	245484	52.137	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	94996	53.453	ug/l	97
67) Ethyl Benzene	11.593	91	445009	52.884	ug/l	100
68) m/p-Xylenes	11.703	106	356506	107.152	ug/l	99
69) o-Xylene	12.032	106	168517	53.028	ug/l	98
70) Styrene	12.044	104	290194	54.653	ug/l	99
71) Bromoform	12.209	173	59736	52.610	ug/l #	99
73) Isopropylbenzene	12.331	105	463410	52.807	ug/l	99
74) N-amyl acetate	12.142	43	80065	46.543	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	67511	48.841	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	49442m	44.181	ug/l	
77) Bromobenzene	12.611	156	107299	50.813	ug/l	91
78) n-propylbenzene	12.672	91	536806	52.274	ug/l	98
79) 2-Chlorotoluene	12.758	91	296554	51.076	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	403967	52.953	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	26915	49.556	ug/l	95
82) 4-Chlorotoluene	12.855	91	307568	50.431	ug/l	97
83) tert-Butylbenzene	13.075	119	352852	53.069	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	397457	52.830	ug/l	99
85) sec-Butylbenzene	13.257	105	499379	52.752	ug/l	97
86) p-Isopropyltoluene	13.373	119	437072	52.844	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	215939	51.416	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	212784	50.803	ug/l	99
89) n-Butylbenzene	13.696	91	375214	52.348	ug/l	98
90) Hexachloroethane	13.959	117	76979	51.555	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	189637	50.604	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14506	50.781	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	120506	50.187	ug/l	99
94) Hexachlorobutadiene	15.111	225	75409	52.161	ug/l	99
95) Naphthalene	15.239	128	235827	49.759	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	104653	50.648	ug/l	98

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

