

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014110.D
 Acq On : 12 Jun 2023 10:28
 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 06/13/2023
 Supervised By :Mahesh Dadoda 06/13/2023

Quant Time: Jun 13 05:37:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	212547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	314774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	295515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157650	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128319	43.355	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.700%
35) Dibromofluoromethane	7.716	113	112161	50.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.480%
50) Toluene-d8	10.179	98	399968	47.925	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.860%
62) 4-Bromofluorobenzene	12.477	95	147341	49.700	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	117647	49.666	ug/l	97
3) Chloromethane	2.113	50	133257	44.366	ug/l	99
4) Vinyl Chloride	2.253	62	133554	45.735	ug/l	100
5) Bromomethane	2.656	94	99471	41.285	ug/l	98
6) Chloroethane	2.790	64	88338	44.518	ug/l	97
7) Trichlorofluoromethane	3.125	101	242046	51.021	ug/l	96
8) Diethyl Ether	3.528	74	72831	45.976	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	127953	53.441	ug/l	99
10) Methyl Iodide	4.088	142	154970	49.017	ug/l	98
11) Tert butyl alcohol	4.960	59	73945	212.754	ug/l	98
12) 1,1-Dichloroethene	3.869	96	118179	48.697	ug/l	98
13) Acrolein	3.729	56	31355	226.441	ug/l	99
14) Allyl chloride	4.472	41	212052	48.205	ug/l	98
15) Acrylonitrile	5.161	53	193463	236.774	ug/l	98
16) Acetone	3.948	43	233667	261.911	ug/l	97
17) Carbon Disulfide	4.192	76	325079	41.338	ug/l	98
18) Methyl Acetate	4.479	43	149966	43.306	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	357785	49.987	ug/l	100
20) Methylene Chloride	4.710	84	148695	52.376	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	131707	48.659	ug/l	99
22) Diisopropyl ether	6.112	45	414231	49.181	ug/l	99
23) Vinyl Acetate	6.058	43	1173682	236.179	ug/l	99
24) 1,1-Dichloroethane	6.009	63	235962	48.590	ug/l	98
25) 2-Butanone	6.984	43	260390	237.104	ug/l	98
26) 2,2-Dichloropropane	6.978	77	231787	50.819	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	148033	48.889	ug/l	99
28) Bromochloromethane	7.332	49	86041	43.569	ug/l	94
29) Tetrahydrofuran	7.344	42	149490	214.665	ug/l	97
30) Chloroform	7.502	83	262353	50.924	ug/l	99
31) Cyclohexane	7.783	56	186902	47.139	ug/l	99
32) 1,1,1-Trichloroethane	7.698	97	239109	51.459	ug/l	99
36) 1,1-Dichloropropene	7.917	75	183212	52.644	ug/l	100
37) Ethyl Acetate	7.070	43	113261	47.167	ug/l	100
38) Carbon Tetrachloride	7.899	117	221564	55.169	ug/l	98
39) Methylcyclohexane	9.179	83	204640	52.998	ug/l	99
40) Benzene	8.155	78	527176	50.941	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	51596	42.102	ug/l	98
42) 1,2-Dichloroethane	8.234	62	181738	49.661	ug/l	100
43) Isopropyl Acetate	8.271	43	198424	47.146	ug/l	98
44) Trichloroethene	8.935	130	143010	51.723	ug/l	99
45) 1,2-Dichloropropane	9.209	63	133174	50.664	ug/l	99
46) Dibromomethane	9.301	93	77816	48.093	ug/l	98
47) Bromodichloromethane	9.496	83	196696	51.919	ug/l	98
48) Methyl methacrylate	9.289	41	93037	47.395	ug/l	98
49) 1,4-Dioxane	9.307	88	19862	966.071	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	554846	242.659	ug/l	99
52) Toluene	10.240	92	340491	53.076	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	206503	51.778	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	225810	51.894	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	110148	51.324	ug/l	98
56) Ethyl methacrylate	10.508	69	148767	50.256	ug/l	99
57) 1,3-Dichloropropane	10.788	76	183654	50.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	297936	228.078	ug/l	98
59) 2-Hexanone	10.831	43	410416	248.516	ug/l	100
60) Dibromochloromethane	10.983	129	143808	52.354	ug/l	98
61) 1,2-Dibromoethane	11.087	107	104679	49.422	ug/l	100
64) Tetrachloroethene	10.715	164	129552	51.433	ug/l	98
65) Chlorobenzene	11.514	112	364298	51.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	144717	51.816	ug/l	99
67) Ethyl Benzene	11.593	91	660772	53.163	ug/l	98
68) m/p-Xylenes	11.703	106	509602	106.595	ug/l	99
69) o-Xylene	12.026	106	243439	53.859	ug/l	98
70) Styrene	12.044	104	416401	53.978	ug/l	100
71) Bromoform	12.203	173	96658	50.534	ug/l #	98
73) Isopropylbenzene	12.325	105	649625	54.016	ug/l	100
74) N-amyl acetate	12.142	43	182611	47.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	126685	47.142	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	93810m	45.355	ug/l	
77) Bromobenzene	12.605	156	160241	50.694	ug/l	95
78) n-propylbenzene	12.666	91	789244	53.729	ug/l	99
79) 2-Chlorotoluene	12.751	91	438985	51.937	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	551964	53.601	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	45627	47.685	ug/l	96
82) 4-Chlorotoluene	12.849	91	466297	52.060	ug/l	99
83) tert-Butylbenzene	13.075	119	483244	55.222	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	555021	54.449	ug/l	99
85) sec-Butylbenzene	13.251	105	705254	55.433	ug/l	100
86) p-Isopropyltoluene	13.367	119	593560	54.512	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	314924	52.182	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	308429	50.723	ug/l	100
89) n-Butylbenzene	13.696	91	555983	55.053	ug/l	99
90) Hexachloroethane	13.959	117	116107	53.513	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	278475	51.375	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24297	47.479	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	177022	51.553	ug/l	98
94) Hexachlorobutadiene	15.111	225	109690	55.332	ug/l	98
95) Naphthalene	15.233	128	345018	49.503	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	157536	50.772	ug/l	100

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

