

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031023\
 Data File : VY012908.D
 Acq On : 10 Mar 2023 09:43
 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 03/13/2023
 Supervised By :Mahesh Dadoda 03/13/2023

Quant Time: Mar 11 05:41:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	100642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	149848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	137561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45257	45.291	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.580%		
35) Dibromofluoromethane	7.716	113	44722	49.453	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.900%		
50) Toluene-d8	10.179	98	154476	46.725	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.460%		
62) 4-Bromofluorobenzene	12.483	95	54872	49.174	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45578	45.947	ug/l	98
3) Chloromethane	2.113	50	52781	44.507	ug/l	99
4) Vinyl Chloride	2.253	62	52379	48.166	ug/l	97
5) Bromomethane	2.650	94	33219	50.273	ug/l	91
6) Chloroethane	2.796	64	33240	51.038	ug/l	98
7) Trichlorofluoromethane	3.131	101	92946	51.461	ug/l	99
8) Diethyl Ether	3.534	74	30819	48.692	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	56091	51.618	ug/l	99
10) Methyl Iodide	4.095	142	70912	50.084	ug/l	97
11) Tert butyl alcohol	4.954	59	28311	246.044	ug/l	99
12) 1,1-Dichloroethene	3.881	96	52557	50.712	ug/l	94
13) Acrolein	3.729	56	39949	228.193	ug/l	100
14) Allyl chloride	4.485	41	91780	47.942	ug/l	97
15) Acrylonitrile	5.161	53	85874	257.497	ug/l	99
16) Acetone	3.948	43	105103	267.976	ug/l	99
17) Carbon Disulfide	4.198	76	167204	47.398	ug/l	99
18) Methyl Acetate	4.479	43	55398	47.430	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	143851	53.737	ug/l	99
20) Methylene Chloride	4.716	84	62341	52.339	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	58978	52.367	ug/l	98
22) Diisopropyl ether	6.119	45	176153	50.660	ug/l	98
23) Vinyl Acetate	6.064	43	546902	253.139	ug/l	98
24) 1,1-Dichloroethane	6.015	63	100558	50.752	ug/l	100
25) 2-Butanone	6.984	43	122503	252.175	ug/l	99
26) 2,2-Dichloropropane	6.978	77	90449	51.398	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	63700	52.755	ug/l	98
28) Bromochloromethane	7.338	49	36783	50.800	ug/l	96
29) Tetrahydrofuran	7.350	42	71216	243.068	ug/l	98
30) Chloroform	7.509	83	106323	54.326	ug/l	98
31) Cyclohexane	7.789	56	88475	46.232	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	94490	53.388	ug/l	98
36) 1,1-Dichloropropene	7.917	75	79720	52.604	ug/l	99
37) Ethyl Acetate	7.076	43	46829	49.027	ug/l	99
38) Carbon Tetrachloride	7.899	117	88106	56.299	ug/l	99
39) Methylcyclohexane	9.185	83	95833	53.191	ug/l	99
40) Benzene	8.161	78	230218	53.704	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	24762m	48.117	ug/l	
42) 1,2-Dichloroethane	8.234	62	70336	54.574	ug/l	99
43) Isopropyl Acetate	8.271	43	85787	50.340	ug/l	98
44) Trichloroethene	8.941	130	62095	54.940	ug/l	98
45) 1,2-Dichloropropane	9.216	63	57639	53.202	ug/l	99
46) Dibromomethane	9.307	93	33840	54.827	ug/l	99
47) Bromodichloromethane	9.496	83	80482	55.334	ug/l	99
48) Methyl methacrylate	9.295	41	38664	49.239	ug/l	92
49) 1,4-Dioxane	9.301	88	8523	1068.180	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	243703	263.637	ug/l	99
52) Toluene	10.246	92	144318	55.822	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	84354	55.292	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	93952	54.409	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	47457	55.211	ug/l	98
56) Ethyl methacrylate	10.508	69	63676	55.558	ug/l	98
57) 1,3-Dichloropropane	10.789	76	80382	54.904	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	159250	264.680	ug/l	100
59) 2-Hexanone	10.831	43	183043	272.454	ug/l	99
60) Dibromochloromethane	10.984	129	58872	56.266	ug/l	100
61) 1,2-Dibromoethane	11.087	107	44725	54.015	ug/l	100
64) Tetrachloroethene	10.721	164	53876	53.793	ug/l	97
65) Chlorobenzene	11.520	112	153188	53.060	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	58378	54.645	ug/l	99
67) Ethyl Benzene	11.593	91	277689	54.707	ug/l	100
68) m/p-Xylenes	11.703	106	215781	110.505	ug/l	99
69) o-Xylene	12.032	106	99489	54.592	ug/l	98
70) Styrene	12.044	104	170019	55.905	ug/l	99
71) Bromoform	12.209	173	39182	56.252	ug/l #	96
73) Isopropylbenzene	12.331	105	268897	54.112	ug/l	100
74) N-amyl acetate	12.148	43	76500	48.928	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	57538	51.509	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	44408m	53.037	ug/l	
77) Bromobenzene	12.611	156	65305	54.097	ug/l	95
78) n-propylbenzene	12.672	91	330279	53.909	ug/l	100
79) 2-Chlorotoluene	12.758	91	180451	52.996	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	221105	53.916	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	20478	50.675	ug/l	98
82) 4-Chlorotoluene	12.855	91	186339	52.866	ug/l	100
83) tert-Butylbenzene	13.075	119	191937	54.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	219079	54.632	ug/l	100
85) sec-Butylbenzene	13.258	105	293739	54.397	ug/l	99
86) p-Isopropyltoluene	13.373	119	240083	54.400	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	125667	53.974	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	124855	52.543	ug/l	98
89) n-Butylbenzene	13.697	91	226129	53.523	ug/l	100
90) Hexachloroethane	13.965	117	47752	51.950	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	112658	53.527	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9189	50.900	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	66320	51.178	ug/l	99
94) Hexachlorobutadiene	15.111	225	39848	50.417	ug/l	99
95) Naphthalene	15.239	128	133252	51.314	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	58627	50.869	ug/l	100

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

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