

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033123\
 Data File : VY013163.D
 Acq On : 31 Mar 2023 16:29
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/03/2023
 Supervised By :Mahesh Dadoda 04/03/2023

Quant Time: Apr 01 00:08:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 31 05:07:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	119692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	183841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	168783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	86205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	61268	47.631	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.260%		
35) Dibromofluoromethane	7.716	113	59314	49.388	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.780%		
50) Toluene-d8	10.179	98	218424	48.176	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.360%		
62) 4-Bromofluorobenzene	12.483	95	73748	49.972	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48825	41.612	ug/l	97
3) Chloromethane	2.113	50	45613	37.278	ug/l	99
4) Vinyl Chloride	2.253	62	46474	37.883	ug/l	99
5) Bromomethane	2.650	94	36621	42.299	ug/l	93
6) Chloroethane	2.796	64	31285	40.711	ug/l	97
7) Trichlorofluoromethane	3.125	101	95615	43.792	ug/l	99
8) Diethyl Ether	3.528	74	33180	48.394	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	51314	42.628	ug/l	96
10) Methyl Iodide	4.088	142	78573	50.126	ug/l	98
11) Tert butyl alcohol	4.954	59	24667	212.767	ug/l #	85
12) 1,1-Dichloroethene	3.875	96	50928	43.766	ug/l	96
13) Acrolein	3.729	56	34388	211.366	ug/l	100
14) Allyl chloride	4.479	41	89516	45.149	ug/l	94
15) Acrylonitrile	5.161	53	77528	227.559	ug/l	98
16) Acetone	3.942	43	84402	214.580	ug/l	99
17) Carbon Disulfide	4.192	76	165016	42.582	ug/l	100
18) Methyl Acetate	4.472	43	53796	43.406	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	148861	50.484	ug/l	100
20) Methylene Chloride	4.716	84	68031	50.115	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	61013	46.536	ug/l	94
22) Diisopropyl ether	6.119	45	187963	48.523	ug/l	98
23) Vinyl Acetate	6.058	43	526314	238.927	ug/l	97
24) 1,1-Dichloroethane	6.015	63	105406	45.945	ug/l	99
25) 2-Butanone	6.984	43	107972	219.533	ug/l	99
26) 2,2-Dichloropropane	6.978	77	93208	45.170	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	69241	49.021	ug/l	96
28) Bromochloromethane	7.332	49	47929	48.688	ug/l	88
29) Tetrahydrofuran	7.344	42	66436	228.189	ug/l	96
30) Chloroform	7.508	83	113244	47.667	ug/l	100
31) Cyclohexane	7.783	56	85324	40.631	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	98279	46.789	ug/l	99
36) 1,1-Dichloropropene	7.917	75	80577	44.567	ug/l	99
37) Ethyl Acetate	7.070	43	45143	43.954	ug/l	98
38) Carbon Tetrachloride	7.899	117	88813	44.520	ug/l	99
39) Methylcyclohexane	9.185	83	93089	43.887	ug/l	98
40) Benzene	8.161	78	243533	46.636	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	21419m	47.009	ug/l	
42) 1,2-Dichloroethane	8.234	62	76849	48.034	ug/l	99
43) Isopropyl Acetate	8.271	43	84053	45.721	ug/l	97
44) Trichloroethene	8.941	130	65756	45.742	ug/l	99
45) 1,2-Dichloropropane	9.216	63	60131	45.985	ug/l	97
46) Dibromomethane	9.301	93	35611	47.407	ug/l	95
47) Bromodichloromethane	9.496	83	87381	48.210	ug/l #	98
48) Methyl methacrylate	9.289	41	39086	45.651	ug/l	91
49) 1,4-Dioxane	9.295	88	8599	962.250	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	223937	225.705	ug/l	98
52) Toluene	10.240	92	153656	47.436	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	90114	48.641	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	102728	48.552	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	49648	47.815	ug/l	98
56) Ethyl methacrylate	10.508	69	64730	49.582	ug/l	96
57) 1,3-Dichloropropane	10.788	76	83880	47.852	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	149210	244.433	ug/l	96
59) 2-Hexanone	10.831	43	162760	226.825	ug/l	99
60) Dibromochloromethane	10.983	129	63999	49.074	ug/l	99
61) 1,2-Dibromoethane	11.087	107	47430	47.144	ug/l	99
64) Tetrachloroethene	10.721	164	59278	45.684	ug/l	98
65) Chlorobenzene	11.514	112	168689	47.079	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	64209	47.799	ug/l	99
67) Ethyl Benzene	11.593	91	291462	47.097	ug/l	100
68) m/p-Xylenes	11.703	106	229621	95.917	ug/l	99
69) o-Xylene	12.026	106	108669	48.939	ug/l	98
70) Styrene	12.044	104	187486	50.474	ug/l	99
71) Bromoform	12.209	173	41113	49.357	ug/l #	97
73) Isopropylbenzene	12.331	105	280816	47.192	ug/l	100
74) N-amyl acetate	12.142	43	73816	45.180	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	56717	45.503	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	42564m	43.952	ug/l	
77) Bromobenzene	12.605	156	72263	48.845	ug/l	91
78) n-propylbenzene	12.672	91	337863	46.178	ug/l	99
79) 2-Chlorotoluene	12.758	91	194871	46.938	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	238380	47.916	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	19872	45.762	ug/l	97
82) 4-Chlorotoluene	12.855	91	201994	46.749	ug/l	100
83) tert-Butylbenzene	13.075	119	204979	47.970	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	235756	48.389	ug/l	100
85) sec-Butylbenzene	13.251	105	298097	46.202	ug/l	99
86) p-Isopropyltoluene	13.367	119	254097	47.839	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	140066	47.760	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	139153	47.351	ug/l	99
89) n-Butylbenzene	13.696	91	229033	46.125	ug/l	99
90) Hexachloroethane	13.959	117	50291	45.451	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	123553	47.174	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9160	44.164	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	76288	49.948	ug/l	99
94) Hexachlorobutadiene	15.111	225	45085	47.996	ug/l	99
95) Naphthalene	15.233	128	142890	44.545	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	65690	48.816	ug/l	98

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

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