

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013932.D
 Acq On : 30 May 2023 20:11
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 31 03:29:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	232962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	357529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	333534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	141118	52.360	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.720%			
35) Dibromofluoromethane	7.721	113	114943	49.782	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.560%			
50) Toluene-d8	10.178	98	413687	47.141	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.280%			
62) 4-Bromofluorobenzene	12.483	95	146778	50.318	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	100090	46.905	ug/l	99
3) Chloromethane	2.113	50	118421	45.552	ug/l	100
4) Vinyl Chloride	2.253	62	119456	44.933	ug/l	99
5) Bromomethane	2.655	94	98601	46.671	ug/l	98
6) Chloroethane	2.796	64	82751	47.767	ug/l	100
7) Trichlorofluoromethane	3.125	101	206011	46.042	ug/l	100
8) Diethyl Ether	3.527	74	73385	53.472	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	112429	46.352	ug/l	99
10) Methyl Iodide	4.094	142	126203	43.827	ug/l	98
11) Tert butyl alcohol	4.990	59	97056	470.083	ug/l #	87
12) 1,1-Dichloroethene	3.875	96	105025	46.089	ug/l	92
13) Acrolein	3.734	56	106662	343.445	ug/l	98
14) Allyl chloride	4.478	41	184801	44.421	ug/l	99
15) Acrylonitrile	5.167	53	219289	311.639	ug/l	100
16) Acetone	3.960	43	214171	267.742	ug/l	97
17) Carbon Disulfide	4.198	76	307030	45.138	ug/l	99
18) Methyl Acetate	4.478	43	166588	60.029	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	341407	54.899	ug/l	99
20) Methylene Chloride	4.716	84	148533	52.496	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	116287	46.945	ug/l	97
22) Diisopropyl ether	6.124	45	408402	50.844	ug/l	98
23) Vinyl Acetate	6.063	43	1325395	283.302	ug/l	99
24) 1,1-Dichloroethane	6.021	63	218635	46.625	ug/l	99
25) 2-Butanone	6.990	43	300808	308.178	ug/l	97
26) 2,2-Dichloropropane	6.984	77	184564	43.695	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	134285	48.257	ug/l	99
28) Bromochloromethane	7.337	49	65844	47.838	ug/l	97
29) Tetrahydrofuran	7.350	42	203740	349.608	ug/l	99
30) Chloroform	7.508	83	232897	48.988	ug/l	99
31) Cyclohexane	7.789	56	179551	43.360	ug/l	99
32) 1,1,1-Trichloroethane	7.703	97	204458	47.141	ug/l	98
36) 1,1-Dichloropropene	7.917	75	166010	47.205	ug/l	100
37) Ethyl Acetate	7.075	43	146307	68.202	ug/l	98
38) Carbon Tetrachloride	7.898	117	191013	47.760	ug/l	98
39) Methylcyclohexane	9.185	83	188534	45.776	ug/l	99
40) Benzene	8.160	78	491860	48.694	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	73084	62.440	ug/l	89
42) 1,2-Dichloroethane	8.240	62	176834	53.469	ug/l	100
43) Isopropyl Acetate	8.270	43	237828	60.838	ug/l	99
44) Trichloroethene	8.941	130	127749	46.943	ug/l	100
45) 1,2-Dichloropropane	9.215	63	128601	49.699	ug/l	99
46) Dibromomethane	9.307	93	82323	55.550	ug/l	98
47) Bromodichloromethane	9.496	83	183815	50.897	ug/l	98
48) Methyl methacrylate	9.294	41	109461	59.630	ug/l	95
49) 1,4-Dioxane	9.325	88	25254	1449.992	ug/l #	96
51) 4-Methyl-2-Pentanone	10.069	43	716039	343.710	ug/l	99
52) Toluene	10.245	92	306396	49.749	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	193922	52.750	ug/l	100
54) cis-1,3-Dichloropropene	9.928	75	207784	50.452	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	111196	55.773	ug/l	97
56) Ethyl methacrylate	10.508	69	160903	60.458	ug/l	98
57) 1,3-Dichloropropane	10.788	76	188903	55.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	215125	253.330	ug/l	100
59) 2-Hexanone	10.831	43	517507	349.228	ug/l	100
60) Dibromochloromethane	10.983	129	139866	55.458	ug/l	99
61) 1,2-Dibromoethane	11.087	107	107951	56.917	ug/l	97
64) Tetrachloroethene	10.721	164	116588	47.243	ug/l	99
65) Chlorobenzene	11.513	112	330520	47.281	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	132315	49.042	ug/l	99
67) Ethyl Benzene	11.593	91	594602	47.266	ug/l	98
68) m/p-Xylenes	11.702	106	455910	95.765	ug/l	100
69) o-Xylene	12.026	106	215002	47.944	ug/l	100
70) Styrene	12.044	104	377852	49.742	ug/l	99
71) Bromoform	12.208	173	100150	56.794	ug/l #	97
73) Isopropylbenzene	12.330	105	570381	44.438	ug/l	100
74) N-amyl acetate	12.141	43	217312	56.312	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.580	83	148294	55.811	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	112809m	55.477	ug/l	
77) Bromobenzene	12.605	156	148263	47.076	ug/l	98
78) n-propylbenzene	12.672	91	712203	44.914	ug/l	100
79) 2-Chlorotoluene	12.757	91	404318	45.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	487210	45.984	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	50802	54.231	ug/l	98
82) 4-Chlorotoluene	12.855	91	421471	46.038	ug/l	98
83) tert-Butylbenzene	13.074	119	414156	44.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	488727	46.992	ug/l	99
85) sec-Butylbenzene	13.251	105	615250	44.883	ug/l	99
86) p-Isopropyltoluene	13.367	119	509730	44.991	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	279798	45.997	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	283205	46.764	ug/l	99
89) n-Butylbenzene	13.696	91	490939	45.186	ug/l	99
90) Hexachloroethane	13.958	117	103407	44.453	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	258822	47.877	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	28285	60.760	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	161238	48.111	ug/l	99
94) Hexachlorobutadiene	15.110	225	93085	44.051	ug/l	99
95) Naphthalene	15.238	128	371670	50.452	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	148846	49.942	ug/l	99

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

