

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032823\
 Data File : VY013124.D
 Acq On : 28 Mar 2023 18:07
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/29/2023
 Supervised By :Mahesh Dadoda 03/29/2023

Quant Time: Mar 29 02:31:49 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	94236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	138910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	127268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	72619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	47583	50.856	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.720%			
35) Dibromofluoromethane	7.716	113	45660	54.466	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.940%			
50) Toluene-d8	10.179	98	143820	46.927	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.860%			
62) 4-Bromofluorobenzene	12.477	95	55865	54.006	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.020%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	42440	45.692	ug/l	100
3) Chloromethane	2.113	50	47672	42.932	ug/l	100
4) Vinyl Chloride	2.247	62	49034	48.155	ug/l	99
5) Bromomethane	2.644	94	31820	51.429	ug/l	98
6) Chloroethane	2.790	64	31396	51.484	ug/l	100
7) Trichlorofluoromethane	3.125	101	79946	47.272	ug/l	99
8) Diethyl Ether	3.528	74	26805	45.229	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	49440	48.590	ug/l	98
10) Methyl Iodide	4.088	142	57879	43.658	ug/l	95
11) Tert butyl alcohol	4.942	59	22794	208.491	ug/l	98
12) 1,1-Dichloroethene	3.869	96	46366	47.780	ug/l	94
13) Acrolein	3.723	56	25905	158.031	ug/l	98
14) Allyl chloride	4.473	41	86222	48.100	ug/l	97
15) Acrylonitrile	5.161	53	80648	258.265	ug/l	99
16) Acetone	3.942	43	80757	219.899	ug/l	96
17) Carbon Disulfide	4.192	76	141009	42.689	ug/l	98
18) Methyl Acetate	4.473	43	53538	48.954	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	130069	51.892	ug/l	98
20) Methylene Chloride	4.710	84	59191	53.157	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	53811	51.027	ug/l	96
22) Diisopropyl ether	6.112	45	184131	56.555	ug/l	96
23) Vinyl Acetate	6.058	43	551285	272.513	ug/l	99
24) 1,1-Dichloroethane	6.009	63	101180	54.537	ug/l	98
25) 2-Butanone	6.984	43	106280	233.652	ug/l	96
26) 2,2-Dichloropropane	6.978	77	81576	49.507	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	57146	50.544	ug/l	98
28) Bromochloromethane	7.332	49	33731	49.751	ug/l	96
29) Tetrahydrofuran	7.344	42	68153	248.427	ug/l	97
30) Chloroform	7.502	83	97595	53.257	ug/l	99
31) Cyclohexane	7.783	56	83424	46.556	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	85038	51.313	ug/l	98
36) 1,1-Dichloropropene	7.917	75	73331	52.199	ug/l	99
37) Ethyl Acetate	7.070	43	45139	50.979	ug/l	99
38) Carbon Tetrachloride	7.893	117	78945	54.418	ug/l	96
39) Methylcyclohexane	9.179	83	85303	51.074	ug/l	99
40) Benzene	8.155	78	215405	54.205	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	26061	54.629	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	65564	54.877	ug/l	98
43) Isopropyl Acetate	8.271	43	80642	51.047	ug/l	99
44) Trichloroethene	8.935	130	53975	51.516	ug/l	93
45) 1,2-Dichloropropane	9.216	63	54346	54.113	ug/l	99
46) Dibromomethane	9.301	93	30046	52.513	ug/l	99
47) Bromodichloromethane	9.496	83	74186	55.021	ug/l	99
48) Methyl methacrylate	9.289	41	39549	54.332	ug/l	96
49) 1,4-Dioxane	9.295	88	8013	1083.339	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	229118	267.376	ug/l	97
52) Toluene	10.240	92	130383	54.403	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	75752	53.563	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	85668	53.518	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	41186	51.688	ug/l	98
56) Ethyl methacrylate	10.508	69	55891	52.605	ug/l	97
57) 1,3-Dichloropropane	10.788	76	73192	53.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	149746	268.482	ug/l	99
59) 2-Hexanone	10.831	43	161792	259.786	ug/l	98
60) Dibromochloromethane	10.984	129	52081	53.695	ug/l	99
61) 1,2-Dibromoethane	11.087	107	39714	51.740	ug/l	98
64) Tetrachloroethene	10.715	164	47586	51.355	ug/l	97
65) Chlorobenzene	11.514	112	138142	51.718	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	52141	52.755	ug/l	99
67) Ethyl Benzene	11.593	91	248511	52.919	ug/l	100
68) m/p-Xylenes	11.703	106	189502	104.896	ug/l	100
69) o-Xylene	12.026	106	89791	53.255	ug/l	98
70) Styrene	12.044	104	151859	53.972	ug/l	99
71) Bromoform	12.203	173	34490	53.521	ug/l #	99
73) Isopropylbenzene	12.331	105	240576	46.745	ug/l	100
74) N-amyl acetate	12.142	43	71190	43.963	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	51282	44.327	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	37906m	43.711	ug/l	
77) Bromobenzene	12.605	156	56811	45.439	ug/l	98
78) n-propylbenzene	12.672	91	297757	46.927	ug/l	99
79) 2-Chlorotoluene	12.758	91	165548	46.944	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	199065	46.869	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	17780	42.483	ug/l	96
82) 4-Chlorotoluene	12.849	91	170821	46.794	ug/l	99
83) tert-Butylbenzene	13.075	119	177981	48.550	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	200159	48.194	ug/l	99
85) sec-Butylbenzene	13.251	105	283310	50.658	ug/l	99
86) p-Isopropyltoluene	13.367	119	232330	50.830	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	122342	50.736	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	120278	48.873	ug/l	98
89) n-Butylbenzene	13.696	91	219272	50.112	ug/l	100
90) Hexachloroethane	13.959	117	46577	48.926	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	110413	50.653	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8610	46.049	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	62873	46.847	ug/l	99
94) Hexachlorobutadiene	15.111	225	38706	47.284	ug/l	99
95) Naphthalene	15.233	128	123529	45.931	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	55279	46.312	ug/l	98

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

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