

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032323\
 Data File : VY013055.D
 Acq On : 23 Mar 2023 11:42
 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 03/24/2023
 Supervised By :Mahesh Dadoda 03/24/2023

Quant Time: Mar 24 04:57:02 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	116072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	172879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	153214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	56956	49.422	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.840%			
35) Dibromofluoromethane	7.716	113	61198	58.657	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.320%			
50) Toluene-d8	10.179	98	196651	51.558	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.120%			
62) 4-Bromofluorobenzene	12.483	95	74297	57.712	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	58328	50.983	ug/l	100
3) Chloromethane	2.113	50	55896	40.868	ug/l	100
4) Vinyl Chloride	2.253	62	58719	46.818	ug/l	99
5) Bromomethane	2.650	94	36319	47.657	ug/l	94
6) Chloroethane	2.796	64	36060	48.008	ug/l	100
7) Trichlorofluoromethane	3.125	101	87276	41.898	ug/l	98
8) Diethyl Ether	3.528	74	33689	46.151	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	62986	50.258	ug/l	99
10) Methyl Iodide	4.088	142	82289	50.393	ug/l	100
11) Tert butyl alcohol	4.942	59	25858	190.290	ug/l	98
12) 1,1-Dichloroethene	3.875	96	59949	50.155	ug/l	99
13) Acrolein	3.723	56	34682	171.772	ug/l	100
14) Allyl chloride	4.479	41	108499	49.141	ug/l	99
15) Acrylonitrile	5.155	53	88219	229.363	ug/l	98
16) Acetone	3.942	43	102390	226.355	ug/l	98
17) Carbon Disulfide	4.192	76	193630	47.592	ug/l	100
18) Methyl Acetate	4.473	43	59920	44.482	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	147604	47.809	ug/l	97
20) Methylene Chloride	4.716	84	72870	53.128	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	65572	50.482	ug/l	97
22) Diisopropyl ether	6.113	45	204410	50.972	ug/l	97
23) Vinyl Acetate	6.058	43	604561	242.628	ug/l	100
24) 1,1-Dichloroethane	6.015	63	115217	50.420	ug/l	99
25) 2-Butanone	6.978	43	123988	221.302	ug/l	96
26) 2,2-Dichloropropane	6.978	77	100861	49.696	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	70661	50.740	ug/l	100
28) Bromochloromethane	7.332	49	39863	47.735	ug/l	99
29) Tetrahydrofuran	7.344	42	74231	219.679	ug/l	99
30) Chloroform	7.503	83	115346	51.102	ug/l	98
31) Cyclohexane	7.783	56	104287	47.250	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	104463	51.176	ug/l	100
36) 1,1-Dichloropropene	7.917	75	90747	51.903	ug/l	100
37) Ethyl Acetate	7.070	43	50140	45.500	ug/l	99
38) Carbon Tetrachloride	7.899	117	97085	53.772	ug/l	99
39) Methylcyclohexane	9.185	83	109211	52.541	ug/l	98
40) Benzene	8.161	78	256032	51.769	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	29556m	49.781	ug/l	
42) 1,2-Dichloroethane	8.234	62	75248	50.607	ug/l	99
43) Isopropyl Acetate	8.271	43	91978	46.783	ug/l	98
44) Trichloroethene	8.941	130	68045	52.184	ug/l	97
45) 1,2-Dichloropropane	9.216	63	64380	51.508	ug/l	96
46) Dibromomethane	9.301	93	36180	50.809	ug/l	99
47) Bromodichloromethane	9.496	83	86645	51.635	ug/l	96
48) Methyl methacrylate	9.289	41	44285	48.885	ug/l	98
49) 1,4-Dioxane	9.301	88	9169	996.053	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	248916	233.403	ug/l	100
52) Toluene	10.246	92	160059	53.663	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	90054	51.165	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	102630	51.516	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	50000	50.420	ug/l	96
56) Ethyl methacrylate	10.508	69	65617	49.624	ug/l	99
57) 1,3-Dichloropropane	10.789	76	85508	50.625	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	164648	237.196	ug/l	99
59) 2-Hexanone	10.831	43	182826	235.878	ug/l	99
60) Dibromochloromethane	10.984	129	61979	51.344	ug/l	99
61) 1,2-Dibromoethane	11.087	107	47020	49.222	ug/l	100
64) Tetrachloroethene	10.721	164	59522	53.359	ug/l	98
65) Chlorobenzene	11.514	112	167551	52.106	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	62118	52.206	ug/l	99
67) Ethyl Benzene	11.593	91	304612	53.880	ug/l	99
68) m/p-Xylenes	11.703	106	235347	108.211	ug/l	100
69) o-Xylene	12.032	106	111456	54.910	ug/l	96
70) Styrene	12.044	104	185065	54.635	ug/l	99
71) Bromoform	12.209	173	38982	50.248	ug/l #	97
73) Isopropylbenzene	12.331	105	293679	51.830	ug/l	100
74) N-amyl acetate	12.142	43	80794	45.319	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	59458	46.681	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	44667m	46.784	ug/l	
77) Bromobenzene	12.611	156	68782	49.969	ug/l	97
78) n-propylbenzene	12.672	91	364232	52.139	ug/l	100
79) 2-Chlorotoluene	12.758	91	199428	51.365	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	243176	52.004	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	20814	45.172	ug/l	98
82) 4-Chlorotoluene	12.855	91	207273	51.572	ug/l	99
83) tert-Butylbenzene	13.075	119	209945	52.018	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	240768	52.655	ug/l	99
85) sec-Butylbenzene	13.251	105	323165	52.485	ug/l	99
86) p-Isopropyltoluene	13.373	119	265609	52.781	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	136753	51.511	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	134787	49.746	ug/l	99
89) n-Butylbenzene	13.697	91	253844	52.693	ug/l	100
90) Hexachloroethane	13.965	117	50577	48.256	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	121409	50.590	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8166	39.669	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	62156	42.065	ug/l	98
94) Hexachlorobutadiene	15.111	225	39639	43.983	ug/l	99
95) Naphthalene	15.239	128	123606	41.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	56853	43.262	ug/l	99

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

