

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012753.D
 Acq On : 02 Mar 2023 12:17
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Mar 03 00:59:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 00:58:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	113521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	181417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	161068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	6028	5.348	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.700%#		
35) Dibromofluoromethane	7.716	113	5709	5.214	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.420%#		
50) Toluene-d8	10.179	98	20656	5.161	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.320%#		
62) 4-Bromofluorobenzene	12.483	95	6860	5.078	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	5609	5.013	ug/l	94
3) Chloromethane	2.113	50	8023	5.998	ug/l	100
4) Vinyl Chloride	2.253	62	6459	5.266	ug/l	99
5) Bromomethane	2.637	94	4332	5.812	ug/l	91
6) Chloroethane	2.790	64	4062	5.529	ug/l	98
7) Trichlorofluoromethane	3.119	101	11223	5.509	ug/l	91
8) Diethyl Ether	3.527	74	3729	5.223	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.905	101	6577	5.366	ug/l	98
10) Methyl Iodide	4.088	142	7801	4.885	ug/l	100
11) Tert butyl alcohol	4.942	59	6556	33.089	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	6154	5.264	ug/l	87
13) Acrolein	3.722	56	5292	26.799	ug/l	95
14) Allyl chloride	4.478	41	11038m	5.112	ug/l	
15) Acrylonitrile	5.167	53	10032	26.669	ug/l	94
16) Acetone	3.942	43	11532	26.067	ug/l	100
17) Carbon Disulfide	4.192	76	21094	5.301	ug/l	96
18) Methyl Acetate	4.484	43	6932	5.262	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	15028	4.977	ug/l #	90
20) Methylene Chloride	4.710	84	12019	3.955	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	6553	5.158	ug/l	81
22) Diisopropyl ether	6.118	45	19498	4.971	ug/l	99
23) Vinyl Acetate	6.057	43	59143	24.269	ug/l	98
24) 1,1-Dichloroethane	6.021	63	11708	5.239	ug/l #	95
25) 2-Butanone	6.984	43	14168	25.856	ug/l	97
26) 2,2-Dichloropropane	6.972	77	10973	5.528	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	6850	5.029	ug/l	89
28) Bromochloromethane	7.332	49	3680	4.506	ug/l #	96
29) Tetrahydrofuran	7.350	42	8264	25.006	ug/l	98
30) Chloroform	7.508	83	11507	5.213	ug/l	93
31) Cyclohexane	7.789	56	12149	5.628	ug/l #	88
32) 1,1,1-Trichloroethane	7.703	97	10392	5.205	ug/l	98
36) 1,1-Dichloropropene	7.917	75	9300	5.069	ug/l	96
37) Ethyl Acetate	7.075	43	6085	5.262	ug/l #	97
38) Carbon Tetrachloride	7.905	117	9458	4.992	ug/l	95
39) Methylcyclohexane	9.185	83	10292	4.718	ug/l	97
40) Benzene	8.161	78	26666	5.138	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	3008m	4.961	ug/l	
42) 1,2-Dichloroethane	8.234	62	7807	5.003	ug/l	100
43) Isopropyl Acetate	8.276	43	10093	4.892	ug/l	99
44) Trichloroethene	8.941	130	6874	5.024	ug/l	80
45) 1,2-Dichloropropane	9.215	63	6569	5.008	ug/l	100
46) Dibromomethane	9.307	93	3778	5.056	ug/l	97
47) Bromodichloromethane	9.502	83	9214	5.233	ug/l #	94
48) Methyl methacrylate	9.295	41	4349	4.575	ug/l	93
49) 1,4-Dioxane	9.307	88	888	91.926	ug/l #	92
51) 4-Methyl-2-Pentanone	10.069	43	26431	23.617	ug/l	100
52) Toluene	10.246	92	15483	4.947	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	8940	4.840	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	10200	4.879	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	5426	5.214	ug/l	92
56) Ethyl methacrylate	10.508	69	6416	4.624	ug/l	98
57) 1,3-Dichloropropane	10.794	76	9012	5.084	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	16426	22.550	ug/l	98
59) 2-Hexanone	10.831	43	18562	22.821	ug/l	99
60) Dibromochloromethane	10.983	129	6462	5.101	ug/l	95
61) 1,2-Dibromoethane	11.093	107	5268	5.255	ug/l	98
64) Tetrachloroethene	10.721	164	5796	4.942	ug/l	94
65) Chlorobenzene	11.520	112	17300	5.118	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	6254	5.000	ug/l	98
67) Ethyl Benzene	11.593	91	28367	4.773	ug/l	97
68) m/p-Xylenes	11.703	106	21625	9.458	ug/l	97
69) o-Xylene	12.032	106	10373	4.861	ug/l	88
70) Styrene	12.044	104	16562	4.651	ug/l	99
71) Bromoform	12.209	173	4176	5.120	ug/l #	100
73) Isopropylbenzene	12.331	105	26728	4.636	ug/l	97
74) N-amyl acetate	12.148	43	8155	4.496	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	6624	5.111	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	5131m	5.282	ug/l	
77) Bromobenzene	12.611	156	6962	4.971	ug/l	97
78) n-propylbenzene	12.672	91	33050	4.650	ug/l	99
79) 2-Chlorotoluene	12.757	91	18483	4.679	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	21804	4.583	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	2335	4.981	ug/l	95
82) 4-Chlorotoluene	12.855	91	19667	4.809	ug/l	100
83) tert-Butylbenzene	13.074	119	18941	4.612	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	20564	4.420	ug/l	99
85) sec-Butylbenzene	13.257	105	29839	4.763	ug/l	99
86) p-Isopropyltoluene	13.373	119	23560	4.601	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	13387	4.956	ug/l	94
88) 1,4-Dichlorobenzene	13.446	146	14349	5.205	ug/l	92
89) n-Butylbenzene	13.696	91	23238	4.741	ug/l	99
90) Hexachloroethane	13.958	117	5645	5.293	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	12449	5.098	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1039	4.961	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	7187	4.780	ug/l	96
94) Hexachlorobutadiene	15.111	225	4955	5.404	ug/l	96
95) Naphthalene	15.239	128	13026	4.324	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	6495	4.858	ug/l	98

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

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