

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013395.D
 Acq On : 24 Apr 2023 12:11
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023

Quant Time: Apr 25 01:59:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 24 14:03:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	245811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	382909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	334826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	56571	20.994	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.980%#		
35) Dibromofluoromethane	7.716	113	50029	20.773	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.540%#		
50) Toluene-d8	10.179	98	182798	21.336	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	42.680%#		
62) 4-Bromofluorobenzene	12.477	95	60402	20.913	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	48172	20.614	ug/l	98
3) Chloromethane	2.107	50	61195	19.536	ug/l	99
4) Vinyl Chloride	2.247	62	60556	19.416	ug/l	98
5) Bromomethane	2.650	94	47588	19.147	ug/l	99
6) Chloroethane	2.790	64	40698	18.888	ug/l	94
7) Trichlorofluoromethane	3.125	101	96275	20.376	ug/l	97
8) Diethyl Ether	3.528	74	31922	19.840	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	53972	20.365	ug/l	93
10) Methyl Iodide	4.082	142	64466	19.367	ug/l	99
11) Tert butyl alcohol	4.979	59	30721	102.081	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	51363	20.105	ug/l	94
13) Acrolein	3.729	56	29016	118.586	ug/l	97
14) Allyl chloride	4.479	41	93360	19.695	ug/l	96
15) Acrylonitrile	5.161	53	85400	94.774	ug/l	99
16) Acetone	3.954	43	92945	87.587	ug/l	97
17) Carbon Disulfide	4.186	76	166673	20.085	ug/l	99
18) Methyl Acetate	4.479	43	65189	18.600	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	140665	19.072	ug/l	100
20) Methylene Chloride	4.710	84	86463	21.378	ug/l #	87
21) trans-1,2-Dichloroethene	5.216	96	55435	19.846	ug/l	95
22) Diisopropyl ether	6.113	45	183311	19.785	ug/l #	95
23) Vinyl Acetate	6.058	43	500742m	94.739	ug/l	
24) 1,1-Dichloroethane	6.015	63	101651	19.686	ug/l	98
25) 2-Butanone	6.984	43	121474	90.262	ug/l	91
26) 2,2-Dichloropropane	6.978	77	88014	19.780	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	60731	19.679	ug/l	95
28) Bromochloromethane	7.332	49	38424	20.969	ug/l	83
29) Tetrahydrofuran	7.344	42	78979	94.277	ug/l	91
30) Chloroform	7.503	83	101488	19.768	ug/l	99
31) Cyclohexane	7.783	56	94271	19.540	ug/l	97
32) 1,1,1-Trichloroethane	7.698	97	90621	19.780	ug/l	96
36) 1,1-Dichloropropene	7.911	75	79813	19.969	ug/l	97
37) Ethyl Acetate	7.070	43	54525	18.128	ug/l	98
38) Carbon Tetrachloride	7.899	117	83620	19.961	ug/l	97
39) Methylcyclohexane	9.185	83	91293	19.375	ug/l	96
40) Benzene	8.155	78	221678	19.689	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	27082m	19.280	ug/l	
42) 1,2-Dichloroethane	8.234	62	71753	19.493	ug/l	99
43) Isopropyl Acetate	8.271	43	94466	18.607	ug/l	98
44) Trichloroethene	8.935	130	59560	19.887	ug/l	95
45) 1,2-Dichloropropane	9.216	63	58269	19.794	ug/l	98
46) Dibromomethane	9.301	93	34378	19.517	ug/l	93
47) Bromodichloromethane	9.496	83	77255	19.601	ug/l #	97
48) Methyl methacrylate	9.289	41	41995	18.011	ug/l	96
49) 1,4-Dioxane	9.307	88	9145	363.526	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	263651	93.193	ug/l	96
52) Toluene	10.240	92	134289	19.820	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	82254	19.719	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	91952	19.591	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	45532	19.520	ug/l	95
56) Ethyl methacrylate	10.508	69	61805	19.098	ug/l	90
57) 1,3-Dichloropropane	10.789	76	76602	19.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	126103	103.917	ug/l	94
59) 2-Hexanone	10.831	43	190667	92.713	ug/l	96
60) Dibromochloromethane	10.984	129	56186	19.838	ug/l	99
61) 1,2-Dibromoethane	11.087	107	42795	18.661	ug/l	96
64) Tetrachloroethene	10.715	164	49321	19.372	ug/l	93
65) Chlorobenzene	11.514	112	143780	19.713	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	53232	19.514	ug/l	97
67) Ethyl Benzene	11.593	91	251564	19.641	ug/l	100
68) m/p-Xylenes	11.697	106	194419	39.930	ug/l	99
69) o-Xylene	12.026	106	91085	19.780	ug/l	100
70) Styrene	12.044	104	152564	19.815	ug/l	99
71) Bromoform	12.209	173	37085	19.409	ug/l #	99
73) Isopropylbenzene	12.325	105	239613	19.461	ug/l	98
74) N-amyl acetate	12.142	43	79701	18.190	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	56436	18.753	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	40321m	17.938	ug/l	
77) Bromobenzene	12.611	156	58811	19.713	ug/l	95
78) n-propylbenzene	12.666	91	299232	19.731	ug/l	97
79) 2-Chlorotoluene	12.752	91	165885	19.588	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	200406	19.942	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	19940	18.580	ug/l	94
82) 4-Chlorotoluene	12.855	91	173634	19.671	ug/l	98
83) tert-Butylbenzene	13.075	119	170473	19.580	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	194782	19.936	ug/l	99
85) sec-Butylbenzene	13.251	105	258902	19.814	ug/l	99
86) p-Isopropyltoluene	13.367	119	209601	19.947	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	111703	19.653	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	111357	19.395	ug/l	97
89) n-Butylbenzene	13.697	91	198561	19.361	ug/l	99
90) Hexachloroethane	13.959	117	42994	19.441	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	99043	19.297	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9450	17.780	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	56814	18.566	ug/l	98
94) Hexachlorobutadiene	15.111	225	34735	19.504	ug/l	100
95) Naphthalene	15.233	128	115868	17.451	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51298	18.808	ug/l	98

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

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