

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012754.D
 Acq On : 02 Mar 2023 12:40
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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

Quant Time: Mar 03 01:00:05 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	115411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	180695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	161052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	12010	10.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.960%#		
35) Dibromofluoromethane	7.716	113	11329	10.389	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.780%#		
50) Toluene-d8	10.179	98	41616	10.439	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.880%#		
62) 4-Bromofluorobenzene	12.483	95	14164	10.526	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	21.060%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	12702	11.166	ug/l	92
3) Chloromethane	2.113	50	14720	10.824	ug/l	97
4) Vinyl Chloride	2.253	62	13318	10.680	ug/l	97
5) Bromomethane	2.643	94	8304	10.959	ug/l	88
6) Chloroethane	2.790	64	8041	10.767	ug/l	100
7) Trichlorofluoromethane	3.125	101	21679	10.467	ug/l	98
8) Diethyl Ether	3.534	74	7818	10.771	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	13099	10.512	ug/l	98
10) Methyl Iodide	4.088	142	15319	9.435	ug/l	98
11) Tert butyl alcohol	4.942	59	9394	55.613	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	11864	9.983	ug/l	95
13) Acrolein	3.729	56	10303	51.321	ug/l	100
14) Allyl chloride	4.479	41	21909m	9.980	ug/l	
15) Acrylonitrile	5.161	53	19770	51.695	ug/l	99
16) Acetone	3.942	43	21986	48.883	ug/l	98
17) Carbon Disulfide	4.192	76	41988	10.379	ug/l	99
18) Methyl Acetate	4.472	43	13832	10.327	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	30145	9.820	ug/l	98
20) Methylene Chloride	4.710	84	18169	8.812	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	13526	10.473	ug/l	95
22) Diisopropyl ether	6.112	45	40725	10.213	ug/l	90
23) Vinyl Acetate	6.058	43	123459	49.832	ug/l	99
24) 1,1-Dichloroethane	6.015	63	23369	10.285	ug/l	97
25) 2-Butanone	6.990	43	27860	50.011	ug/l	93
26) 2,2-Dichloropropane	6.984	77	20695	10.255	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	14155	10.223	ug/l	98
28) Bromochloromethane	7.332	49	9179	11.055	ug/l	100
29) Tetrahydrofuran	7.344	42	16954	50.461	ug/l	98
30) Chloroform	7.502	83	23169	10.323	ug/l	99
31) Cyclohexane	7.783	56	22761	10.372	ug/l #	85
32) 1,1,1-Trichloroethane	7.704	97	20806	10.251	ug/l	98
36) 1,1-Dichloropropene	7.917	75	18480	10.113	ug/l	99
37) Ethyl Acetate	7.070	43	12209	10.600	ug/l	97
38) Carbon Tetrachloride	7.905	117	19081	10.111	ug/l	99
39) Methylcyclohexane	9.185	83	21079	9.702	ug/l	99
40) Benzene	8.161	78	52696	10.194	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	6540m	10.830	ug/l	
42) 1,2-Dichloroethane	8.234	62	15898	10.230	ug/l	99
43) Isopropyl Acetate	8.271	43	20337	9.897	ug/l #	92
44) Trichloroethene	8.941	130	13909	10.205	ug/l	99
45) 1,2-Dichloropropane	9.215	63	13676	10.468	ug/l	99
46) Dibromomethane	9.307	93	7804	10.485	ug/l	97
47) Bromodichloromethane	9.496	83	17497	9.976	ug/l	97
48) Methyl methacrylate	9.289	41	8738	9.228	ug/l	96
49) 1,4-Dioxane	9.295	88	1916	199.137	ug/l #	93
51) 4-Methyl-2-Pentanone	10.069	43	56134	50.359	ug/l	99
52) Toluene	10.246	92	31071	9.967	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	18256	9.924	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	20933	10.053	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	10971	10.585	ug/l	95
56) Ethyl methacrylate	10.508	69	12937	9.361	ug/l	97
57) 1,3-Dichloropropane	10.788	76	17935	10.159	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	35798	49.341	ug/l	100
59) 2-Hexanone	10.831	43	39417	48.655	ug/l	98
60) Dibromochloromethane	10.983	129	12980	10.288	ug/l	100
61) 1,2-Dibromoethane	11.087	107	10487	10.503	ug/l	99
64) Tetrachloroethene	10.721	164	12251	10.448	ug/l	91
65) Chlorobenzene	11.514	112	34052	10.074	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	12973	10.372	ug/l	98
67) Ethyl Benzene	11.593	91	58566	9.855	ug/l	99
68) m/p-Xylenes	11.703	106	45472	19.890	ug/l	100
69) o-Xylene	12.032	106	20494	9.605	ug/l	100
70) Styrene	12.044	104	34560	9.706	ug/l	100
71) Bromoform	12.209	173	8547	10.481	ug/l #	94
73) Isopropylbenzene	12.331	105	55554	9.570	ug/l	99
74) N-amyl acetate	12.142	43	17226	9.431	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	13286	10.181	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	9836m	10.055	ug/l	
77) Bromobenzene	12.611	156	13925	9.874	ug/l	97
78) n-propylbenzene	12.672	91	68802	9.613	ug/l	99
79) 2-Chlorotoluene	12.758	91	39182	9.850	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	46904	9.790	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	4617	9.780	ug/l	99
82) 4-Chlorotoluene	12.855	91	40380	9.806	ug/l	98
83) tert-Butylbenzene	13.075	119	39472	9.546	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	46304	9.884	ug/l	98
85) sec-Butylbenzene	13.251	105	60836	9.644	ug/l	100
86) p-Isopropyltoluene	13.373	119	49317	9.565	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	27481	10.103	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	27862	10.037	ug/l	96
89) n-Butylbenzene	13.696	91	47196	9.562	ug/l	98
90) Hexachloroethane	13.965	117	10451	9.732	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	24681	10.038	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1986	9.417	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	14183	9.369	ug/l	99
94) Hexachlorobutadiene	15.111	225	9161	9.921	ug/l	97
95) Naphthalene	15.239	128	26198	8.636	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	13044	9.688	ug/l	99

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

