

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011492.D
 Acq On : 18 Nov 2022 10:42
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

Quant Time: Nov 19 21:32:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 21:29:43 2022
 Response via : Initial Calibration

11/21/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	165767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	261148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	238706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	121048	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	18094	10.790	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	21.580%#
35) Dibromofluoromethane	7.722	113	17184	10.728	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	21.460%#
50) Toluene-d8	10.185	98	64205	11.005	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	22.020%#
62) 4-Bromofluorobenzene	12.483	95	21304	10.005	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	20.000%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	14001	12.964	ug/l	98
3) Chloromethane	2.119	50	19623	12.285	ug/l	95
4) Vinyl Chloride	2.259	62	21988	11.741	ug/l	94
5) Bromomethane	2.655	94	16350	11.845	ug/l	98
6) Chloroethane	2.802	64	15177	11.618	ug/l	99
7) Trichlorofluoromethane	3.131	101	30445	11.056	ug/l	95
8) Diethyl Ether	3.539	74	9332	10.463	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.911	101	16914	10.582	ug/l	97
10) Methyl Iodide	4.094	142	19197	10.319	ug/l	95
11) Tert butyl alcohol	4.942	59	10773	46.402	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	15599	10.682	ug/l	96
13) Acrolein	3.728	56	3190	71.310	ug/l	98
14) Allyl chloride	4.484	41	25106	9.815	ug/l	95
15) Acrylonitrile	5.167	53	23207	47.550	ug/l	99
16) Acetone	3.948	43	26382	48.210	ug/l	95
17) Carbon Disulfide	4.204	76	45614	11.326	ug/l	100
18) Methyl Acetate	4.478	43	13764	9.479	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	38862	9.346	ug/l	100
20) Methylene Chloride	4.722	84	34488	12.058	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	17238	10.269	ug/l	98
22) Diisopropyl ether	6.124	45	56041	10.010	ug/l	96
23) Vinyl Acetate	6.063	43	154089	47.259	ug/l	97
24) 1,1-Dichloroethane	6.027	63	34565	10.574	ug/l	97
25) 2-Butanone	6.996	43	33426	46.376	ug/l	94
26) 2,2-Dichloropropane	6.984	77	31281	10.283	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	20023	10.094	ug/l	96
28) Bromochloromethane	7.337	49	13136	9.989	ug/l #	92
29) Tetrahydrofuran	7.356	42	18202	44.889	ug/l	95
30) Chloroform	7.514	83	34531	10.167	ug/l	100
31) Cyclohexane	7.789	56	29014	10.353	ug/l #	83
32) 1,1,1-Trichloroethane	7.703	97	31671	10.417	ug/l	98
36) 1,1-Dichloropropene	7.917	75	25703	10.254	ug/l	98
37) Ethyl Acetate	7.081	43	13866	9.706	ug/l	98
38) Carbon Tetrachloride	7.904	117	28583	10.239	ug/l	95
39) Methylcyclohexane	9.191	83	27531	9.831	ug/l	92
40) Benzene	8.167	78	74347	10.174	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.307	41	6954	10.476	ug/l	#	35
42) 1,2-Dichloroethane	8.240	62	23068	10.228	ug/l		94
43) Isopropyl Acetate	8.276	43	23462	9.081	ug/l		92
44) Trichloroethene	8.947	130	20679	10.520	ug/l		99
45) 1,2-Dichloropropane	9.221	63	18749	10.025	ug/l	#	84
46) Dibromomethane	9.307	93	10630	10.158	ug/l		95
47) Bromodichloromethane	9.502	83	26921	10.222	ug/l		99
48) Methyl methacrylate	9.294	41	10362	9.014	ug/l		90
49) 1,4-Dioxane	9.301	88	2353	183.038	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.075	43	64525	44.865	ug/l		97
52) Toluene	10.245	92	46002	9.974	ug/l		97
53) t-1,3-Dichloropropene	10.471	75	25434	9.673	ug/l		100
54) cis-1,3-Dichloropropene	9.928	75	29082	9.807	ug/l		90
55) 1,1,2-Trichloroethane	10.648	97	14795	9.946	ug/l		96
56) Ethyl methacrylate	10.514	69	16251	8.712	ug/l		86
57) 1,3-Dichloropropane	10.794	76	24745	9.723	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.788	63	41083	44.920	ug/l		99
59) 2-Hexanone	10.837	43	43890	42.672	ug/l		96
60) Dibromochloromethane	10.989	129	18191	9.928	ug/l		98
61) 1,2-Dibromoethane	11.093	107	13350	9.760	ug/l		98
64) Tetrachloroethene	10.721	164	19674	10.040	ug/l		95
65) Chlorobenzene	11.520	112	50692	10.131	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.593	131	18763	9.868	ug/l		95
67) Ethyl Benzene	11.593	91	87773	9.742	ug/l		97
68) m/p-Xylenes	11.709	106	67268	19.555	ug/l		96
69) o-Xylene	12.032	106	31077	9.686	ug/l		93
70) Styrene	12.050	104	51722	9.488	ug/l		97
71) Bromoform	12.215	173	11266	9.730	ug/l	#	99
73) Isopropylbenzene	12.337	105	83979	9.603	ug/l		100
74) N-amyl acetate	12.148	43	19035	8.783	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	16794	9.767	ug/l		99
76) 1,2,3-Trichloropropane	12.635	75	12122m	8.080	ug/l		
77) Bromobenzene	12.611	156	20789	10.140	ug/l		95
78) n-propylbenzene	12.678	91	103899	9.725	ug/l		100
79) 2-Chlorotoluene	12.757	91	58862	9.767	ug/l		97
80) 1,3,5-Trimethylbenzene	12.818	105	71727	9.734	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.379	75	5297	8.957	ug/l		90
82) 4-Chlorotoluene	12.855	91	62611	9.954	ug/l		99
83) tert-Butylbenzene	13.080	119	62278	9.690	ug/l		95
84) 1,2,4-Trimethylbenzene	13.123	105	71388	9.793	ug/l		99
85) sec-Butylbenzene	13.257	105	94058	9.800	ug/l		100
86) p-Isopropyltoluene	13.373	119	77443	9.678	ug/l		99
87) 1,3-Dichlorobenzene	13.367	146	42584	10.227	ug/l		100
88) 1,4-Dichlorobenzene	13.446	146	43405	10.454	ug/l		97
89) n-Butylbenzene	13.702	91	70244	9.539	ug/l		99
90) Hexachloroethane	13.964	117	16739	10.408	ug/l		92
91) 1,2-Dichlorobenzene	13.745	146	37547	10.196	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2712	9.539	ug/l		91
93) 1,2,4-Trichlorobenzene	15.013	180	19860	9.799	ug/l		99
94) Hexachlorobutadiene	15.117	225	13516	10.596	ug/l		99
95) Naphthalene	15.238	128	32112	8.420	ug/l		99
96) 1,2,3-Trichlorobenzene	15.427	180	17019	9.816	ug/l		99

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

