

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011496.D
 Acq On : 18 Nov 2022 12:12
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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

Quant Time: Nov 19 21:34:09 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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	188245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	266431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	217662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	167503	87.964	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 175.920%#			
35) Dibromofluoromethane	7.716	113	197600	120.918	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 241.840%#			
50) Toluene-d8	10.179	98	775168	130.233	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 260.460%#			
62) 4-Bromofluorobenzene	12.483	95	249620	114.900	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 229.800%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	168190	137.141	ug/l	100
3) Chloromethane	2.113	50	236753	130.525	ug/l	98
4) Vinyl Chloride	2.253	62	304096	142.994	ug/l	99
5) Bromomethane	2.650	94	171253	109.252	ug/l	100
6) Chloroethane	2.796	64	186493	125.718	ug/l	98
7) Trichlorofluoromethane	3.131	101	470371	150.419	ug/l	94
8) Diethyl Ether	3.527	74	101361	100.074	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.905	101	286152	157.643	ug/l	95
10) Methyl Iodide	4.094	142	341443	161.624	ug/l	94
11) Tert butyl alcohol	4.954	59	68904	261.350	ug/l	97
12) 1,1-Dichloroethene	3.875	96	256652	154.765	ug/l	90
13) Acrolein	3.729	56	12617	248.367	ug/l	97
14) Allyl chloride	4.485	41	417315	143.667	ug/l	94
15) Acrylonitrile	5.161	53	204574	369.114	ug/l	98
16) Acetone	3.948	43	224858	361.837	ug/l	92
17) Carbon Disulfide	4.198	76	690924	151.073	ug/l	100
18) Methyl Acetate	4.479	43	107645	65.280	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	482838	102.257	ug/l	99
20) Methylene Chloride	4.722	84	251572	77.455	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	277653	145.659	ug/l	94
22) Diisopropyl ether	6.118	45	767429	120.712	ug/l	95
23) Vinyl Acetate	6.064	43	1845140	498.332	ug/l	96
24) 1,1-Dichloroethane	6.021	63	495506	133.485	ug/l	99
25) 2-Butanone	6.984	43	302251	369.273	ug/l	92
26) 2,2-Dichloropropane	6.984	77	491990	142.419	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	296685	131.704	ug/l	95
28) Bromochloromethane	7.332	49	155813	104.334	ug/l	94
29) Tetrahydrofuran	7.344	42	173596	376.999	ug/l	93
30) Chloroform	7.508	83	484421	125.601	ug/l	100
31) Cyclohexane	7.789	56	502190	157.804	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	507870	147.092	ug/l	97
36) 1,1-Dichloropropene	7.923	75	431696	168.800	ug/l	99
37) Ethyl Acetate	7.076	43	122360	83.954	ug/l	97
38) Carbon Tetrachloride	7.905	117	472726	165.974	ug/l	100
39) Methylcyclohexane	9.185	83	543680	190.299	ug/l	94
40) Benzene	8.161	78	1097453	147.203	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	87092m	128.606	ug/l	
42) 1,2-Dichloroethane	8.240	62	245514	106.696	ug/l	94
43) Isopropyl Acetate	8.277	43	240812	91.356	ug/l	92
44) Trichloroethene	8.941	130	302282	150.730	ug/l	93
45) 1,2-Dichloropropane	9.216	63	251556	131.836	ug/l	95
46) Dibromomethane	9.307	93	108894	101.999	ug/l	96
47) Bromodichloromethane	9.496	83	331445	123.357	ug/l	98
48) Methyl methacrylate	9.295	41	115786	98.725	ug/l	90
49) 1,4-Dioxane	9.295	88	22636	1725.925	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	627776	427.843	ug/l	94
52) Toluene	10.246	92	708832	150.639	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	304633	113.556	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	374623	123.830	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	156042	102.821	ug/l	98
56) Ethyl methacrylate	10.508	69	199392	104.767	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	268479	103.397	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	454663	487.271	ug/l	98
59) 2-Hexanone	10.831	43	442563	421.752	ug/l	92
60) Dibromochloromethane	10.983	129	201575	107.836	ug/l	100
61) 1,2-Dibromoethane	11.093	107	136836	98.056	ug/l	100
64) Tetrachloroethene	10.721	164	278001	155.586	ug/l	96
65) Chlorobenzene	11.520	112	688558	150.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	249463	143.883	ug/l	98
67) Ethyl Benzene	11.593	91	1410286	171.655	ug/l	99
68) m/p-Xylenes	11.703	106	1064104	339.253	ug/l	96
69) o-Xylene	12.032	106	479442	163.875	ug/l	96
70) Styrene	12.044	104	768750	154.655	ug/l	97
71) Bromoform	12.209	173	111382	105.497	ug/l #	98
73) Isopropylbenzene	12.331	105	1400015	202.868	ug/l	100
74) N-amyl acetate	12.148	43	205790	120.326	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	158170	116.558	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	123288m	104.133	ug/l	
77) Bromobenzene	12.611	156	252277	155.918	ug/l	94
78) n-propylbenzene	12.672	91	1658658	196.729	ug/l	99
79) 2-Chlorotoluene	12.758	91	851578	179.056	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1091247	187.651	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	52180	111.804	ug/l	92
82) 4-Chlorotoluene	12.855	91	852005	171.639	ug/l	100
83) tert-Butylbenzene	13.075	119	1020029	201.099	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	1029561	178.960	ug/l	99
85) sec-Butylbenzene	13.257	105	1483654	195.885	ug/l	100
86) p-Isopropyltoluene	13.373	119	1192803	188.876	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	512135	155.857	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	482734	147.320	ug/l	99
89) n-Butylbenzene	13.696	91	1096751	188.729	ug/l	99
90) Hexachloroethane	13.959	117	218818	172.402	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	408722	140.645	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21367	95.233	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	214518	134.121	ug/l	99
94) Hexachlorobutadiene	15.111	225	159532	158.481	ug/l	99
95) Naphthalene	15.239	128	330990	109.974	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	163398	119.412	ug/l	98

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

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