

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016019.D
 Acq On : 18 Oct 2023 13:25
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 19 02:57:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 02:50:45 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	232469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	373503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	337307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	379984	143.815	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 287.620%#			
35) Dibromofluoromethane	7.716	113	350747	142.670	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 285.340%#			
50) Toluene-d8	10.179	98	1272798	142.551	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 285.100%#			
62) 4-Bromofluorobenzene	12.483	95	450336	141.354	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 282.700%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	288735	150.279	ug/l	97
3) Chloromethane	2.107	50	350584	144.511	ug/l	99
4) Vinyl Chloride	2.247	62	397170	145.872	ug/l	98
6) Chloroethane	2.778	64	208496	119.087	ug/l	96
7) Trichlorofluoromethane	3.107	101	612312	147.775	ug/l	99
8) Diethyl Ether	3.528	74	229452	156.740	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	361334	151.598	ug/l	96
10) Methyl Iodide	4.082	142	465709	149.634	ug/l	97
11) Tert butyl alcohol	4.997	59	347724	852.551	ug/l #	81
12) 1,1-Dichloroethene	3.863	96	339518	152.238	ug/l	90
13) Acrolein	3.729	56	263143	751.832	ug/l	99
14) Allyl chloride	4.473	41	544550	156.154	ug/l	93
15) Acrylonitrile	5.168	53	770819	882.621	ug/l	98
16) Acetone	3.960	43	863035	881.171	ug/l	91
17) Carbon Disulfide	4.186	76	989534	151.455	ug/l	98
18) Methyl Acetate	4.479	43	603930	179.154	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	1165302	161.967	ug/l	100
20) Methylene Chloride	4.710	84	390694	134.277	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	392779	151.239	ug/l	96
22) Diisopropyl ether	6.119	45	1175090	154.752	ug/l	93
23) Vinyl Acetate	6.058	43	3927754	833.874	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	675080	149.859	ug/l	96
25) 2-Butanone	6.990	43	1198105	893.080	ug/l	94
26) 2,2-Dichloropropane	6.978	77	611582	150.892	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	450214	150.524	ug/l	93
28) Bromochloromethane	7.332	49	294589	152.907	ug/l	90
29) Tetrahydrofuran	7.350	42	748299	921.509	ug/l	89
30) Chloroform	7.503	83	718954	148.849	ug/l	96
31) Cyclohexane	7.783	56	596468	144.231	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	650973	150.630	ug/l	98
36) 1,1-Dichloropropene	7.917	75	551834	149.196	ug/l	98
37) Ethyl Acetate	7.076	43	490158	183.846	ug/l #	95
38) Carbon Tetrachloride	7.899	117	591847	150.551	ug/l	99
39) Methylcyclohexane	9.179	83	717046	155.125	ug/l	94
40) Benzene	8.161	78	1556648	149.325	ug/l	100
41) Methacrylonitrile	7.307	41	217794m	162.243	ug/l	

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Reviewed By : John Carlone 10/19/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.234	62	507088	151.011	ug/l	94
43) Isopropyl Acetate	8.271	43	820344	175.989	ug/l #	96
44) Trichloroethene	8.941	130	443896	151.869	ug/l	97
45) 1,2-Dichloropropane	9.216	63	395264	151.508	ug/l	96
46) Dibromomethane	9.301	93	272280	157.207	ug/l	97
47) Bromodichloromethane	9.496	83	580148	152.830	ug/l	98
48) Methyl methacrylate	9.289	41	376123	177.267	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	2390462	891.783	ug/l	90
52) Toluene	10.246	92	1013124	149.837	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	655415	159.384	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	694168	154.861	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	370505	155.710	ug/l	98
56) Ethyl methacrylate	10.508	69	600168	172.591	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	632350	156.654	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	1390568	832.535	ug/l	93
59) 2-Hexanone	10.831	43	1856618	910.366	ug/l	87
60) Dibromochloromethane	10.984	129	452956	157.404	ug/l	100
61) 1,2-Dibromoethane	11.087	107	389406	160.808	ug/l	99
64) Tetrachloroethene	10.721	164	403689	154.342	ug/l	97
65) Chlorobenzene	11.514	112	1090298	149.254	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	415601	150.941	ug/l	98
67) Ethyl Benzene	11.593	91	1962640	151.831	ug/l	98
68) m/p-Xylenes	11.703	106	1517627	301.078	ug/l	94
69) o-Xylene	12.026	106	730960	152.432	ug/l	96
70) Styrene	12.044	104	1259765	154.139	ug/l	96
71) Bromoform	12.209	173	321310	165.843	ug/l #	99
73) Isopropylbenzene	12.331	105	1900794	153.980	ug/l	99
74) N-amyl acetate	12.142	43	702314	180.125	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	517317	167.319	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	390212m	167.631	ug/l	
77) Bromobenzene	12.605	156	458857	153.144	ug/l	96
78) n-propylbenzene	12.672	91	2252276	151.478	ug/l	99
79) 2-Chlorotoluene	12.758	91	1269474	152.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	1545420	151.143	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	196142	183.241	ug/l	91
82) 4-Chlorotoluene	12.855	91	1316010	151.090	ug/l	99
83) tert-Butylbenzene	13.075	119	1352407	150.840	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	1532722	150.953	ug/l	98
85) sec-Butylbenzene	13.251	105	1995219	149.001	ug/l	100
86) p-Isopropyltoluene	13.367	119	1667583	149.020	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	878061	150.618	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	868507	147.967	ug/l	99
89) n-Butylbenzene	13.697	91	1543022	148.118	ug/l	95
90) Hexachloroethane	13.959	117	321290	150.614	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	800493	149.556	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	102176	173.609	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	515878	151.293	ug/l	99
94) Hexachlorobutadiene	15.111	225	257784	139.189	ug/l	98
95) Naphthalene	15.233	128	1422804	170.008	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	473931	152.167	ug/l	99

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