

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016147.D
 Acq On : 31 Oct 2023 14:40
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 01 03:18:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:01:33 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	188618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	297337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	256642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	119898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	263503	149.297	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 298.600%#			
35) Dibromofluoromethane	7.728	113	267682	151.008	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 302.020%#			
50) Toluene-d8	10.191	98	1074601	152.899	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 305.800%#			
62) 4-Bromofluorobenzene	12.489	95	357661	148.824	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 297.640%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	182384	151.585	ug/l	97
3) Chloromethane	2.119	50	240613	144.439	ug/l	99
4) Vinyl Chloride	2.260	62	262561	152.711	ug/l	97
5) Bromomethane	2.650	94	182856	157.590	ug/l	99
6) Chloroethane	2.796	64	185702	153.416	ug/l	98
7) Trichlorofluoromethane	3.131	101	394333	151.920	ug/l	99
8) Diethyl Ether	3.540	74	131167	152.468	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.906	101	243716	149.042	ug/l	96
10) Methyl Iodide	4.101	142	286263	157.432	ug/l	97
11) Tert butyl alcohol	4.972	59	88457	670.795	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	222674	149.196	ug/l	91
13) Acrolein	3.735	56	87654	739.850	ug/l	98
14) Allyl chloride	4.491	41	323352	151.466	ug/l #	96
15) Acrylonitrile	5.174	53	276999	753.505	ug/l	99
16) Acetone	3.960	43	195372	730.086	ug/l	94
17) Carbon Disulfide	4.204	76	580351	155.750	ug/l	99
18) Methyl Acetate	4.491	43	214890	151.397	ug/l #	90
19) Methyl tert-butyl Ether	5.235	73	657441	154.861	ug/l	99
20) Methylene Chloride	4.729	84	253575	147.175	ug/l	90
21) trans-1,2-Dichloroethene	5.235	96	265355	152.635	ug/l	96
22) Diisopropyl ether	6.131	45	800495	155.028	ug/l	89
23) Vinyl Acetate	6.070	43	1973801	778.558	ug/l #	93
24) 1,1-Dichloroethane	6.033	63	471931	152.713	ug/l	96
25) 2-Butanone	6.996	43	344933	708.376	ug/l #	89
26) 2,2-Dichloropropane	6.996	77	451624	154.596	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	314227	153.587	ug/l	93
28) Bromochloromethane	7.344	49	168919	146.071	ug/l	86
29) Tetrahydrofuran	7.362	42	233647	765.455	ug/l	89
30) Chloroform	7.521	83	507084	150.717	ug/l	96
31) Cyclohexane	7.795	56	385935	142.246	ug/l	90
32) 1,1,1-Trichloroethane	7.716	97	466339	151.137	ug/l	97
36) 1,1-Dichloropropene	7.929	75	380347	148.592	ug/l	99
37) Ethyl Acetate	7.088	43	172620	151.411	ug/l #	96
38) Carbon Tetrachloride	7.911	117	408139	160.943	ug/l	99
39) Methylcyclohexane	9.197	83	463180	151.594	ug/l	91
40) Benzene	8.173	78	1088830	148.169	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	103447	156.321	ug/l #	87
42) 1,2-Dichloroethane	8.246	62	305279	148.864	ug/l	94
43) Isopropyl Acetate	8.283	43	342084	151.692	ug/l #	92
44) Trichloroethene	8.947	130	317407	147.598	ug/l	100
45) 1,2-Dichloropropane	9.228	63	268620	151.953	ug/l	98
46) Dibromomethane	9.313	93	150457	150.035	ug/l	98
47) Bromodichloromethane	9.508	83	388839	152.610	ug/l	96
48) Methyl methacrylate	9.301	41	157471	153.561	ug/l	89
49) 1,4-Dioxane	9.307	88	31772	2814.248	ug/l #	47
51) 4-Methyl-2-Pentanone	10.081	43	848356	753.938	ug/l	91
52) Toluene	10.252	92	715338	150.223	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	398940	156.846	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	458417	153.595	ug/l	91
55) 1,1,2-Trichloroethane	10.654	97	210689	149.360	ug/l	97
56) Ethyl methacrylate	10.520	69	288678	157.580	ug/l #	86
57) 1,3-Dichloropropane	10.801	76	357048	148.683	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	672850	757.437	ug/l	93
59) 2-Hexanone	10.837	43	574118	744.564	ug/l	89
60) Dibromochloromethane	10.996	129	270396	152.793	ug/l	99
61) 1,2-Dibromoethane	11.099	107	202077	150.609	ug/l	99
64) Tetrachloroethene	10.727	164	319944	140.154	ug/l	97
65) Chlorobenzene	11.526	112	767178	150.460	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	293813	155.574	ug/l	99
67) Ethyl Benzene	11.599	91	1395957	153.067	ug/l	99
68) m/p-Xylenes	11.709	106	1077705	305.811	ug/l	95
69) o-Xylene	12.038	106	520204	154.604	ug/l	96
70) Styrene	12.050	104	869218	155.395	ug/l	96
71) Bromoform	12.215	173	162138	154.756	ug/l #	100
73) Isopropylbenzene	12.337	105	1372338	152.587	ug/l	99
74) N-amyl acetate	12.148	43	307463	157.316	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	221788	154.972	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	146320m	115.647	ug/l	
77) Bromobenzene	12.617	156	311899	153.154	ug/l	95
78) n-propylbenzene	12.678	91	1593376	149.850	ug/l	99
79) 2-Chlorotoluene	12.764	91	894090	150.760	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	1091309	149.771	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	82798	159.000	ug/l	92
82) 4-Chlorotoluene	12.861	91	910958	149.585	ug/l	98
83) tert-Butylbenzene	13.081	119	963812	147.831	ug/l	98
84) 1,2,4-Trimethylbenzene	13.130	105	1066308	147.892	ug/l	97
85) sec-Butylbenzene	13.264	105	1402027	146.516	ug/l	99
86) p-Isopropyltoluene	13.373	119	1155913	145.750	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	595725	147.909	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	578291	145.271	ug/l	99
89) n-Butylbenzene	13.703	91	1032562	141.696	ug/l	96
90) Hexachloroethane	13.965	117	215083	157.373	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	510767	146.775	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	36377	142.028	ug/l	89
93) 1,2,4-Trichlorobenzene	15.013	180	290169	135.097	ug/l	99
94) Hexachlorobutadiene	15.117	225	150279	128.039	ug/l	98
95) Naphthalene	15.239	128	585493	140.317	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	244144	133.064	ug/l	98

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

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