

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016143.D
 Acq On : 31 Oct 2023 12:49
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Quant Time: Nov 01 03:15:32 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	184611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	291032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	256463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	119527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	16985	9.832	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.660%#		
35) Dibromofluoromethane	7.728	113	16739	9.648	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.300%#		
50) Toluene-d8	10.191	98	65389	9.505	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.020%#		
62) 4-Bromofluorobenzene	12.489	95	22964	9.762	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.520%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	12034	10.219	ug/l	94
3) Chloromethane	2.119	50	17405	10.675	ug/l	98
4) Vinyl Chloride	2.253	62	17186	10.213	ug/l	95
5) Bromomethane	2.656	94	11334	9.980	ug/l	97
6) Chloroethane	2.802	64	12307	10.388	ug/l	94
7) Trichlorofluoromethane	3.131	101	26006	10.237	ug/l	99
8) Diethyl Ether	3.534	74	8755	10.398	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.905	101	16056	10.032	ug/l	98
10) Methyl Iodide	4.101	142	17668	9.928	ug/l	99
11) Tert butyl alcohol	4.948	59	7274	56.358	ug/l	100
12) 1,1-Dichloroethene	3.881	96	15091	10.331	ug/l	90
13) Acrolein	3.741	56	6920	51.694	ug/l	98
14) Allyl chloride	4.491	41	21678	10.375	ug/l	96
15) Acrylonitrile	5.174	53	19289	53.610	ug/l	97
16) Acetone	3.960	43	18771	53.039	ug/l	89
17) Carbon Disulfide	4.204	76	36227	9.933	ug/l	97
18) Methyl Acetate	4.491	43	14472	10.417	ug/l #	90
19) Methyl tert-butyl Ether	5.228	73	43244	10.407	ug/l	100
20) Methylene Chloride	4.728	84	22543	10.419	ug/l	86
21) trans-1,2-Dichloroethene	5.234	96	16987	9.983	ug/l	98
22) Diisopropyl ether	6.125	45	51950	10.279	ug/l	92
23) Vinyl Acetate	6.070	43	127237	51.277	ug/l #	94
24) 1,1-Dichloroethane	6.027	63	31587	10.443	ug/l	98
25) 2-Butanone	6.996	43	26134	54.835	ug/l	93
26) 2,2-Dichloropropane	6.996	77	29132	10.189	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	20602	10.288	ug/l	93
28) Bromochloromethane	7.344	49	11660	10.302	ug/l	89
29) Tetrahydrofuran	7.362	42	15900	53.221	ug/l	91
30) Chloroform	7.521	83	34623	10.514	ug/l	98
31) Cyclohexane	7.801	56	28248	10.637	ug/l #	83
32) 1,1,1-Trichloroethane	7.710	97	31360	10.384	ug/l	98
36) 1,1-Dichloropropene	7.929	75	26284	10.491	ug/l	99
37) Ethyl Acetate	7.082	43	12029	10.780	ug/l #	97
38) Carbon Tetrachloride	7.917	117	24442	9.847	ug/l	95
39) Methylcyclohexane	9.197	83	29283	9.792	ug/l	91
40) Benzene	8.173	78	75500	10.497	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	7844	12.110	ug/l #	82
42) 1,2-Dichloroethane	8.252	62	21349	10.636	ug/l	94
43) Isopropyl Acetate	8.283	43	23637	10.709	ug/l	95
44) Trichloroethene	8.953	130	22213	10.553	ug/l	98
45) 1,2-Dichloropropane	9.228	63	18191	10.513	ug/l	93
46) Dibromomethane	9.313	93	10370	10.565	ug/l	96
47) Bromodichloromethane	9.508	83	25551	10.245	ug/l	90
48) Methyl methacrylate	9.301	41	10849	10.809	ug/l	91
49) 1,4-Dioxane	9.307	88	3255	163.411	ug/l #	47
51) 4-Methyl-2-Pentanone	10.081	43	58089	52.742	ug/l	92
52) Toluene	10.252	92	47506	10.193	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	25300	10.162	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	30283	10.366	ug/l	90
55) 1,1,2-Trichloroethane	10.654	97	14945	10.824	ug/l	93
56) Ethyl methacrylate	10.520	69	17851	9.955	ug/l #	89
57) 1,3-Dichloropropane	10.801	76	24556	10.447	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.795	63	42516	48.898	ug/l	93
59) 2-Hexanone	10.843	43	40561	53.742	ug/l	94
60) Dibromochloromethane	10.996	129	18231	10.525	ug/l	100
61) 1,2-Dibromoethane	11.099	107	13778	10.491	ug/l	99
64) Tetrachloroethene	10.727	164	24227	10.620	ug/l	98
65) Chlorobenzene	11.526	112	52395	10.283	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	19487	10.326	ug/l	98
67) Ethyl Benzene	11.605	91	92035	10.099	ug/l	96
68) m/p-Xylenes	11.715	106	70787	20.101	ug/l	95
69) o-Xylene	12.038	106	33720	10.029	ug/l	99
70) Styrene	12.056	104	55822	9.987	ug/l	97
71) Bromoform	12.215	173	10897	10.408	ug/l #	98
73) Isopropylbenzene	12.343	105	91589	10.215	ug/l	100
74) N-amyl acetate	12.154	43	19703	10.113	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.593	83	15337	10.750	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	13494m	10.698	ug/l	
77) Bromobenzene	12.617	156	21308	10.495	ug/l	92
78) n-propylbenzene	12.678	91	107701	10.160	ug/l	99
79) 2-Chlorotoluene	12.764	91	61216	10.354	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	74060	10.195	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	5227	10.069	ug/l	98
82) 4-Chlorotoluene	12.867	91	62473	10.290	ug/l	99
83) tert-Butylbenzene	13.087	119	66956	10.302	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	74071	10.305	ug/l	100
85) sec-Butylbenzene	13.264	105	97796	10.252	ug/l	99
86) p-Isopropyltoluene	13.379	119	80953	10.239	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	42022	10.466	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	41735	10.517	ug/l	97
89) n-Butylbenzene	13.702	91	75084	10.336	ug/l	97
90) Hexachloroethane	13.971	117	13517	9.921	ug/l	92
91) 1,2-Dichlorobenzene	13.751	146	36620	10.556	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2755	10.790	ug/l	95
93) 1,2,4-Trichlorobenzene	15.019	180	22979	10.732	ug/l	97
94) Hexachlorobutadiene	15.123	225	13002	11.112	ug/l	96
95) Naphthalene	15.245	128	44389	10.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	19583	10.706	ug/l	98

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

