

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015937.D
 Acq On : 11 Oct 2023 20:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 12 02:02:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	194069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	323777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	298479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	96608	55.324	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.640%			
35) Dibromofluoromethane	7.722	113	90041	49.858	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.720%			
50) Toluene-d8	10.179	98	299146	50.261	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.520%			
62) 4-Bromofluorobenzene	12.483	95	123369	51.032	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	37575	48.406	ug/l	96
3) Chloromethane	2.113	50	44029	55.453	ug/l	99
4) Vinyl Chloride	2.253	62	54893	54.207	ug/l	98
5) Bromomethane	2.656	94	45202	54.437	ug/l	94
6) Chloroethane	2.796	64	40878	51.407	ug/l	98
7) Trichlorofluoromethane	3.125	101	112099	52.170	ug/l	98
8) Diethyl Ether	3.540	74	53288	58.619	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.906	101	74271	50.931	ug/l	95
10) Methyl Iodide	4.094	142	61098	42.061	ug/l	96
11) Tert butyl alcohol	5.027	59	119716	324.529	ug/l #	84
12) 1,1-Dichloroethene	3.875	96	61406	54.745	ug/l	88
13) Acrolein	3.747	56	35954	336.873	ug/l	100
14) Allyl chloride	4.491	41	115893	56.039	ug/l	92
15) Acrylonitrile	5.186	53	241934	387.028	ug/l	98
16) Acetone	3.973	43	198555	262.180	ug/l	91
17) Carbon Disulfide	4.198	76	82349	49.163	ug/l	97
18) Methyl Acetate	4.497	43	201104	84.950	ug/l	92
19) Methyl tert-butyl Ether	5.235	73	310929	61.171	ug/l	98
20) Methylene Chloride	4.729	84	111965	64.421	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	70672	54.297	ug/l	97
22) Diisopropyl ether	6.131	45	305428	55.215	ug/l	93
23) Vinyl Acetate	6.070	43	942958	310.005	ug/l #	94
24) 1,1-Dichloroethane	6.027	63	160238	52.587	ug/l	97
25) 2-Butanone	7.003	43	347134	362.385	ug/l	95
26) 2,2-Dichloropropane	6.990	77	130157	45.931	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	104358	54.324	ug/l	92
28) Bromochloromethane	7.344	49	103313	58.829	ug/l	92
29) Tetrahydrofuran	7.362	42	233349	445.297	ug/l	91
30) Chloroform	7.515	83	182050	53.564	ug/l	97
31) Cyclohexane	7.789	56	89610	47.914	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	146540	52.795	ug/l	98
36) 1,1-Dichloropropene	7.923	75	104157	52.075	ug/l	99
37) Ethyl Acetate	7.082	43	154963	90.211	ug/l	98
38) Carbon Tetrachloride	7.905	117	123507	51.417	ug/l	98
39) Methylcyclohexane	9.191	83	104484	51.428	ug/l	93
40) Benzene	8.167	78	337520	53.697	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	59081	55.296	ug/l	89
42) 1,2-Dichloroethane	8.240	62	126895	59.223	ug/l	93
43) Isopropyl Acetate	8.277	43	235094	73.935	ug/l	98
44) Trichloroethene	8.941	130	102097	56.132	ug/l	97
45) 1,2-Dichloropropane	9.222	63	101732	53.808	ug/l	98
46) Dibromomethane	9.307	93	67595	60.079	ug/l	96
47) Bromodichloromethane	9.502	83	152277	54.420	ug/l	99
48) Methyl methacrylate	9.295	41	103927	74.009	ug/l	89
49) 1,4-Dioxane	9.331	88	38919	1989.918	ug/l #	52
51) 4-Methyl-2-Pentanone	10.075	43	783861	412.039	ug/l	91
52) Toluene	10.246	92	222333	53.287	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	160963	56.901	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	166531	54.195	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	104891	58.549	ug/l	97
56) Ethyl methacrylate	10.514	69	161518	66.409	ug/l #	86
57) 1,3-Dichloropropane	10.794	76	171164	59.260	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	505939	341.290	ug/l	95
59) 2-Hexanone	10.837	43	596646	414.551	ug/l	88
60) Dibromochloromethane	10.990	129	124169	57.816	ug/l	100
61) 1,2-Dibromoethane	11.093	107	100842	61.631	ug/l	100
64) Tetrachloroethene	10.721	164	112814	57.916	ug/l	97
65) Chlorobenzene	11.520	112	265305	50.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	111742	52.511	ug/l	98
67) Ethyl Benzene	11.593	91	454102	50.841	ug/l	99
68) m/p-Xylenes	11.703	106	343519	102.067	ug/l	96
69) o-Xylene	12.032	106	175513	52.120	ug/l	98
70) Styrene	12.044	104	311559	53.028	ug/l	96
71) Bromoform	12.215	173	91624	61.831	ug/l #	99
73) Isopropylbenzene	12.331	105	469985	47.443	ug/l	100
74) N-amyl acetate	12.148	43	198034	63.433	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	151573	59.008	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	114864m	62.655	ug/l	
77) Bromobenzene	12.611	156	119526	49.206	ug/l	93
78) n-propylbenzene	12.672	91	556177	46.686	ug/l	100
79) 2-Chlorotoluene	12.758	91	326232	48.074	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	390222	47.793	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	50424	60.992	ug/l	95
82) 4-Chlorotoluene	12.855	91	338855	47.917	ug/l	99
83) tert-Butylbenzene	13.081	119	359876	47.229	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	396837	48.264	ug/l	99
85) sec-Butylbenzene	13.257	105	519977	46.531	ug/l	99
86) p-Isopropyltoluene	13.373	119	430644	46.585	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	231695	47.377	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	230466	46.797	ug/l	99
89) n-Butylbenzene	13.703	91	411565	47.047	ug/l	96
90) Hexachloroethane	13.965	117	85299	45.978	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	225736	49.658	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	34688	76.895	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	144034	49.439	ug/l	99
94) Hexachlorobutadiene	15.117	225	69924	44.821	ug/l	97
95) Naphthalene	15.239	128	461464	68.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	136957	52.848	ug/l	99

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

