

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016020.D
 Acq On : 18 Oct 2023 14:34
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101823

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 03:22:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	208858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	337825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	308044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	112169	47.253	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.500%		
35) Dibromofluoromethane	7.716	113	108098	48.614	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.220%		
50) Toluene-d8	10.179	98	393906	48.776	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.560%		
62) 4-Bromofluorobenzene	12.483	95	140302	48.690	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	91065	52.755	ug/l	97
3) Chloromethane	2.113	50	115729	53.096	ug/l	97
4) Vinyl Chloride	2.247	62	128458	52.513	ug/l	97
5) Bromomethane	2.649	94	92332	51.744	ug/l	100
6) Chloroethane	2.790	64	86270	54.845	ug/l	99
7) Trichlorofluoromethane	3.125	101	187300	50.313	ug/l	98
8) Diethyl Ether	3.533	74	67788	51.541	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	108536	50.684	ug/l	96
10) Methyl Iodide	4.088	142	156473	55.959	ug/l	96
11) Tert butyl alcohol	4.978	59	65841	179.679	ug/l #	82
12) 1,1-Dichloroethene	3.869	96	104519	52.164	ug/l	91
13) Acrolein	3.735	56	58074	225.379	ug/l	98
14) Allyl chloride	4.478	41	165358	52.778	ug/l	94
15) Acrylonitrile	5.161	53	182880	233.078	ug/l	98
16) Acetone	3.954	43	204873	232.825	ug/l	93
17) Carbon Disulfide	4.192	76	306374	52.194	ug/l	99
18) Methyl Acetate	4.478	43	138194	45.629	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	335415	51.890	ug/l	98
20) Methylene Chloride	4.716	84	143688	54.967	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	122429	52.470	ug/l	96
22) Diisopropyl ether	6.118	45	363832	53.331	ug/l	93
23) Vinyl Acetate	6.063	43	1100402	260.029	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	212750	52.567	ug/l	97
25) 2-Butanone	6.984	43	273447	226.873	ug/l	94
26) 2,2-Dichloropropane	6.978	77	191940	52.710	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	141276	52.574	ug/l	94
28) Bromochloromethane	7.332	49	92610	53.504	ug/l	90
29) Tetrahydrofuran	7.350	42	164198	225.064	ug/l	90
30) Chloroform	7.502	83	227385	52.399	ug/l	97
31) Cyclohexane	7.783	56	180355	48.542	ug/l	91
32) 1,1,1-Trichloroethane	7.703	97	199526	51.388	ug/l	98
36) 1,1-Dichloropropene	7.917	75	170384	50.931	ug/l	99
37) Ethyl Acetate	7.075	43	113519	47.075	ug/l #	95
38) Carbon Tetrachloride	7.898	117	181466	51.035	ug/l	99
39) Methylcyclohexane	9.185	83	212019	50.712	ug/l	93
40) Benzene	8.161	78	494089	52.402	ug/l	99

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41) Methacrylonitrile	7.307	41	61194m	48.918	ug/l	
42) 1,2-Dichloroethane	8.234	62	153258	50.460	ug/l	94
43) Isopropyl Acetate	8.270	43	203502	48.268	ug/l	95
44) Trichloroethene	8.941	130	135221	51.149	ug/l	95
45) 1,2-Dichloropropane	9.215	63	123292	52.250	ug/l	95
46) Dibromomethane	9.307	93	79307	50.626	ug/l	96
47) Bromodichloromethane	9.496	83	179964	52.415	ug/l	99
48) Methyl methacrylate	9.295	41	90525	47.170	ug/l	87
49) 1,4-Dioxane	9.307	88	23575	945.098	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	565678	233.318	ug/l	92
52) Toluene	10.246	92	321239	52.528	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	194542	52.305	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	214140	52.818	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	110227	51.217	ug/l	96
56) Ethyl methacrylate	10.508	69	160117	50.908	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	185344	50.765	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	373903	247.498	ug/l	93
59) 2-Hexanone	10.831	43	430255	233.250	ug/l	89
60) Dibromochloromethane	10.983	129	133337	51.229	ug/l	99
61) 1,2-Dibromoethane	11.087	107	109824	50.142	ug/l	99
64) Tetrachloroethene	10.721	164	117677	49.265	ug/l	97
65) Chlorobenzene	11.520	112	349207	52.345	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	130522	51.907	ug/l	98
67) Ethyl Benzene	11.593	91	621880	52.679	ug/l	98
68) m/p-Xylenes	11.703	106	482087	104.725	ug/l	96
69) o-Xylene	12.032	106	231367	52.832	ug/l	97
70) Styrene	12.044	104	394901	52.908	ug/l	96
71) Bromoform	12.209	173	89252	50.443	ug/l #	99
73) Isopropylbenzene	12.331	105	610742	51.940	ug/l	100
74) N-amyl acetate	12.142	43	187085	50.373	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	141675	48.106	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	110751m	49.760	ug/l	
77) Bromobenzene	12.611	156	146451	51.314	ug/l	100
78) n-propylbenzene	12.672	91	737818	52.095	ug/l	99
79) 2-Chlorotoluene	12.757	91	413752	52.046	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	512343	52.604	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	49197	48.251	ug/l	94
82) 4-Chlorotoluene	12.855	91	427909	51.576	ug/l	99
83) tert-Butylbenzene	13.074	119	440797	51.614	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	507442	52.467	ug/l	98
85) sec-Butylbenzene	13.257	105	662257	51.921	ug/l	100
86) p-Isopropyltoluene	13.373	119	561320	52.661	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	289557	52.144	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	289570	51.792	ug/l	99
89) n-Butylbenzene	13.696	91	522196	52.624	ug/l	96
90) Hexachloroethane	13.964	117	106107	52.219	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	262696	51.525	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	24713	44.082	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	169569	52.208	ug/l	98
94) Hexachlorobutadiene	15.117	225	89203	50.564	ug/l	98
95) Naphthalene	15.239	128	392846	49.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	151543	51.081	ug/l	98

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

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