

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016015.D
 Acq On : 18 Oct 2023 11:54
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 02:54:20 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	204963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	332483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	302355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	25944	11.137	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	22.280%#		
35) Dibromofluoromethane	7.715	113	23132	10.570	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.140%#		
50) Toluene-d8	10.178	98	84809	10.670	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	21.340%#		
62) 4-Bromofluorobenzene	12.483	95	30062	10.600	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	21.200%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16286	9.614	ug/l	99
3) Chloromethane	2.113	50	21887	10.233	ug/l	97
4) Vinyl Chloride	2.253	62	24107	10.042	ug/l	99
5) Bromomethane	2.643	94	18016	10.288	ug/l	99
6) Chloroethane	2.790	64	16312	10.567	ug/l	96
7) Trichlorofluoromethane	3.125	101	37011	10.131	ug/l	99
8) Diethyl Ether	3.533	74	12780	9.902	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.905	101	21070	10.026	ug/l	94
10) Methyl Iodide	4.094	142	27106	9.878	ug/l	97
11) Tert butyl alcohol	4.966	59	19279	53.612	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	19167	9.748	ug/l	95
13) Acrolein	3.734	56	14638	42.260	ug/l	99
14) Allyl chloride	4.484	41	30365	9.876	ug/l	95
15) Acrylonitrile	5.167	53	38843	50.446	ug/l	99
16) Acetone	3.954	43	42759	49.516	ug/l	90
17) Carbon Disulfide	4.198	76	57194	9.929	ug/l	98
18) Methyl Acetate	4.484	43	29593	9.957	ug/l	91
19) Methyl tert-butyl Ether	5.228	73	62736	9.890	ug/l	96
20) Methylene Chloride	4.722	84	27431	10.693	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	22803	9.959	ug/l	94
22) Diisopropyl ether	6.124	45	66136	9.879	ug/l	91
23) Vinyl Acetate	6.063	43	200672	48.321	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	39133	9.853	ug/l	98
25) 2-Butanone	6.990	43	59637	50.420	ug/l	94
26) 2,2-Dichloropropane	6.984	77	36116	10.106	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	25960	9.844	ug/l	95
28) Bromochloromethane	7.338	49	17347	10.212	ug/l	90
29) Tetrahydrofuran	7.350	42	35723	49.896	ug/l	92
30) Chloroform	7.508	83	43209	10.146	ug/l	99
31) Cyclohexane	7.789	56	36556	10.026	ug/l #	76
32) 1,1,1-Trichloroethane	7.703	97	37587	9.865	ug/l	99
36) 1,1-Dichloropropene	7.917	75	32310	9.813	ug/l	99
37) Ethyl Acetate	7.075	43	23762	10.012	ug/l #	95
38) Carbon Tetrachloride	7.904	117	34861	9.962	ug/l	98
39) Methylcyclohexane	9.185	83	39364	9.567	ug/l	92
40) Benzene	8.161	78	91314	9.840	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	13793m	11.543	ug/l	
42) 1,2-Dichloroethane	8.240	62	30416	10.175	ug/l	96
43) Isopropyl Acetate	8.276	43	39497	9.519	ug/l	94
44) Trichloroethene	8.941	130	25536	9.814	ug/l	96
45) 1,2-Dichloropropane	9.215	63	23109	9.951	ug/l	93
46) Dibromomethane	9.307	93	15648	10.149	ug/l	94
47) Bromodichloromethane	9.496	83	33705	9.974	ug/l	96
48) Methyl methacrylate	9.294	41	17827	9.438	ug/l #	86
49) 1,4-Dioxane	9.307	88	5005	203.869	ug/l #	46
51) 4-Methyl-2-Pentanone	10.069	43	117314	49.165	ug/l	92
52) Toluene	10.246	92	59410	9.871	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	35554	9.713	ug/l	98
54) cis-1,3-Dichloropropene	9.928	75	38691	9.696	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	20999	9.914	ug/l	94
56) Ethyl methacrylate	10.508	69	28895	9.335	ug/l	88
57) 1,3-Dichloropropane	10.788	76	36119	10.052	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	76544	51.481	ug/l	93
59) 2-Hexanone	10.831	43	89057	49.055	ug/l	89
60) Dibromochloromethane	10.983	129	25266	9.863	ug/l	99
61) 1,2-Dibromoethane	11.087	107	21463	9.957	ug/l	99
64) Tetrachloroethene	10.721	164	23601	10.066	ug/l	96
65) Chlorobenzene	11.514	112	65546	10.010	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	24524	9.936	ug/l	99
67) Ethyl Benzene	11.593	91	112675	9.724	ug/l	98
68) m/p-Xylenes	11.703	106	88895	19.674	ug/l	95
69) o-Xylene	12.032	106	42012	9.774	ug/l	97
70) Styrene	12.044	104	71058	9.699	ug/l	96
71) Bromoform	12.209	173	16714	9.624	ug/l #	99
73) Isopropylbenzene	12.331	105	112684	9.585	ug/l	99
74) N-amyl acetate	12.142	43	34185	9.206	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.580	83	28678	9.739	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	21760m	9.815	ug/l	
77) Bromobenzene	12.605	156	28142	9.862	ug/l	97
78) n-propylbenzene	12.672	91	134774	9.518	ug/l	99
79) 2-Chlorotoluene	12.757	91	76138	9.579	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	94306	9.685	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	9401	9.222	ug/l	96
82) 4-Chlorotoluene	12.855	91	80800	9.741	ug/l	99
83) tert-Butylbenzene	13.074	119	81003	9.487	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	93418	9.661	ug/l	98
85) sec-Butylbenzene	13.251	105	122122	9.576	ug/l	100
86) p-Isopropyltoluene	13.367	119	102000	9.571	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	53761	9.683	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	55542	9.936	ug/l	98
89) n-Butylbenzene	13.696	91	95418	9.618	ug/l	97
90) Hexachloroethane	13.958	117	19623	9.659	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	50123	9.833	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5496	9.805	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	32152	9.901	ug/l	98
94) Hexachlorobutadiene	15.110	225	18172	10.303	ug/l	96
95) Naphthalene	15.239	128	75997	9.535	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	29683	10.007	ug/l	98

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

