

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016018.D
 Acq On : 18 Oct 2023 13:02
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 02:57:01 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	228691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	361193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	330141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	163873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	242097	93.142	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 186.280%#			
35) Dibromofluoromethane	7.716	113	228175	95.976	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 191.960%#			
50) Toluene-d8	10.179	98	834866	96.691	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 193.380%#			
62) 4-Bromofluorobenzene	12.483	95	297308	96.501	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 193.000%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	187141	99.011	ug/l	97
3) Chloromethane	2.107	50	224766	94.179	ug/l	99
4) Vinyl Chloride	2.247	62	255159	95.263	ug/l	98
5) Bromomethane	2.625	94	168097	86.034	ug/l	99
6) Chloroethane	2.778	64	170620	99.063	ug/l	95
7) Trichlorofluoromethane	3.113	101	394686	96.827	ug/l	99
8) Diethyl Ether	3.527	74	142455	98.920	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	228704	97.538	ug/l	96
10) Methyl Iodide	4.082	142	307582	100.460	ug/l	97
11) Tert butyl alcohol	4.972	59	181370	452.030	ug/l #	80
12) 1,1-Dichloroethene	3.869	96	216744	98.792	ug/l	90
13) Acrolein	3.729	56	151943	493.278	ug/l	98
14) Allyl chloride	4.472	41	342839	99.936	ug/l	94
15) Acrylonitrile	5.161	53	436900	508.534	ug/l	98
16) Acetone	3.948	43	500240	519.190	ug/l	92
17) Carbon Disulfide	4.186	76	636742	99.068	ug/l	98
18) Methyl Acetate	4.472	43	335978	101.313	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	718718	101.546	ug/l	99
20) Methylene Chloride	4.710	84	259072	90.511	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	252564	98.856	ug/l	94
22) Diisopropyl ether	6.119	45	750752	100.503	ug/l	91
23) Vinyl Acetate	6.058	43	2395186	516.905	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	432261	97.541	ug/l	97
25) 2-Butanone	6.984	43	677348	513.243	ug/l	95
26) 2,2-Dichloropropane	6.978	77	396799	99.517	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	288865	98.175	ug/l	93
28) Bromochloromethane	7.332	49	191076	100.817	ug/l	91
29) Tetrahydrofuran	7.350	42	411274	514.840	ug/l	90
30) Chloroform	7.502	83	458266	96.445	ug/l	97
31) Cyclohexane	7.783	56	388090	95.394	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	417450	98.190	ug/l	98
36) 1,1-Dichloropropene	7.917	75	357953	100.076	ug/l	99
37) Ethyl Acetate	7.076	43	268506	104.142	ug/l #	95
38) Carbon Tetrachloride	7.899	117	380533	100.097	ug/l	99
39) Methylcyclohexane	9.185	83	458367	102.542	ug/l	93
40) Benzene	8.161	78	1002312	99.426	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	132781m	102.285	ug/l	
42) 1,2-Dichloroethane	8.234	62	321541	99.019	ug/l	94
43) Isopropyl Acetate	8.271	43	474601	105.287	ug/l	96
44) Trichloroethene	8.941	130	280841	99.358	ug/l	99
45) 1,2-Dichloropropane	9.216	63	254318	100.804	ug/l	97
46) Dibromomethane	9.307	93	168596	100.660	ug/l	97
47) Bromodichloromethane	9.496	83	366840	99.931	ug/l	97
48) Methyl methacrylate	9.295	41	218295	106.389	ug/l	88
49) 1,4-Dioxane	9.301	88	60447	2266.483	ug/l #	55
51) 4-Methyl-2-Pentanone	10.069	43	1339079	516.581	ug/l	91
52) Toluene	10.246	92	656163	100.351	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	414335	104.192	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	442922	102.179	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	233060	101.285	ug/l	97
56) Ethyl methacrylate	10.508	69	361033	107.361	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	393614	100.835	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	846245	523.916	ug/l	94
59) 2-Hexanone	10.831	43	1034894	524.740	ug/l	88
60) Dibromochloromethane	10.983	129	282750	101.605	ug/l	99
61) 1,2-Dibromoethane	11.087	107	236992	101.203	ug/l	100
64) Tetrachloroethene	10.721	164	250821	97.977	ug/l	97
65) Chlorobenzene	11.514	112	706538	98.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	266981	99.069	ug/l	99
67) Ethyl Benzene	11.593	91	1272110	100.547	ug/l	98
68) m/p-Xylenes	11.703	106	988336	200.329	ug/l	94
69) o-Xylene	12.032	106	474059	101.004	ug/l	97
70) Styrene	12.044	104	815141	101.902	ug/l	96
71) Bromoform	12.209	173	195316	103.000	ug/l #	100
73) Isopropylbenzene	12.331	105	1243642	101.453	ug/l	99
74) N-amyl acetate	12.142	43	420773	108.676	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	313524	102.118	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	239737m	103.712	ug/l	
77) Bromobenzene	12.611	156	296642	99.701	ug/l	97
78) n-propylbenzene	12.672	91	1496929	101.385	ug/l	99
79) 2-Chlorotoluene	12.758	91	834588	100.704	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1025434	100.993	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	115715	108.864	ug/l	92
82) 4-Chlorotoluene	12.855	91	871057	100.708	ug/l	99
83) tert-Butylbenzene	13.075	119	906735	101.843	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	1017389	100.904	ug/l	98
85) sec-Butylbenzene	13.251	105	1342532	100.964	ug/l	99
86) p-Isopropyltoluene	13.367	119	1130812	101.763	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	580906	100.346	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	576162	98.850	ug/l	99
89) n-Butylbenzene	13.696	91	1050657	101.564	ug/l	96
90) Hexachloroethane	13.959	117	215464	101.715	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	527874	99.316	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	58250	99.669	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	344667	101.792	ug/l	99
94) Hexachlorobutadiene	15.111	225	178531	97.075	ug/l	98
95) Naphthalene	15.233	128	873834	105.147	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	316652	102.383	ug/l	99

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

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