

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008957.D
 Acq On : 15 Apr 2019 12:45
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:53:12 AM

Quant Time: Apr 16 02:14:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 01:38:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	226013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	368320	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	322836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	2522	0.966	ug/l	99
3) Chloromethane	1.32	50	3713	1.046	ug/l	92
4) Vinyl Chloride	1.41	62	3257	0.946	ug/l	98
5) Bromomethane	1.64	94	3005	1.581	ug/l	92
6) Chloroethane	1.72	64	1754	0.766	ug/l #	88
7) Trichlorofluoromethane	1.93	101	3887	1.016	ug/l	97
8) Diethyl Ether	2.19	74	1805	1.002	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2484	1.014	ug/l	98
12) 1,1-Dichloroethene	2.37	96	2748	1.071	ug/l	98
14) Allyl chloride	2.73	41	5089	0.870	ug/l	87
15) Acrylonitrile	3.14	53	9998	5.020	ug/l	98
16) Acetone	2.45	43	8937	4.868	ug/l	92
17) Carbon Disulfide	2.57	76	10312	1.252	ug/l #	92
18) Methyl Acetate	2.78	43	5013	1.116	ug/l	92
19) Methyl tert-butyl Ether	3.19	73	8999	0.985	ug/l	98
20) Methylene Chloride	2.85	84	3544	1.143	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	3008	1.083	ug/l	93
22) Diisopropyl ether	3.85	45	10477	0.931	ug/l #	76
23) Vinyl Acetate	3.82	43	42217	4.305	ug/l	99
24) 1,1-Dichloroethane	3.70	63	5405	0.971	ug/l	97
25) 2-Butanone	4.68	43	13494	4.628	ug/l	95
26) 2,2-Dichloropropane	4.59	77	4029	1.019	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	3237	1.018	ug/l	95
28) Bromochloromethane	5.02	49	3048	1.163	ug/l #	90
29) Tetrahydrofuran	5.14	42	9829	5.061	ug/l	99
30) Chloroform	5.21	83	4818	0.967	ug/l	88
31) Cyclohexane	5.59	56	5158	0.924	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	3765	0.933	ug/l #	45
36) 1,1-Dichloropropene	5.80	75	4352	1.099	ug/l	99
37) Ethyl Acetate	4.84	43	4379	0.832	ug/l #	91
38) Carbon Tetrachloride	5.79	117	3157	0.961	ug/l	95
39) Methylcyclohexane	7.46	83	4694	0.958	ug/l	95
40) Benzene	6.15	78	11902	1.009	ug/l	99
41) Methacrylonitrile	5.05	41	2820	0.929	ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	4400	1.041	ug/l	95
43) Isopropyl Acetate	6.45	43	8019	0.970	ug/l	98
44) Trichloroethene	7.22	130	3078	1.114	ug/l	99
45) 1,2-Dichloropropane	7.52	63	3103	0.925	ug/l	97
46) Dibromomethane	7.66	93	1960	1.004	ug/l	92
47) Bromodichloromethane	7.90	83	3627	0.985	ug/l	97
48) Methyl methacrylate	7.77	41	3813	0.914	ug/l #	93
49) 1,4-Dioxane	7.74	88	1649	21.252	ug/l #	83
51) 4-Methyl-2-Pentanone	8.64	43	25898	4.876	ug/l	99
52) Toluene	8.79	92	7275	1.046	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	3794	0.916	ug/l	91
54) cis-1,3-Dichloropropene	8.43	75	4386	0.929	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	2754	0.986	ug/l	97
56) Ethyl methacrylate	9.18	69	4670	0.927	ug/l	97
57) 1,3-Dichloropropane	9.37	76	4980	0.995	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	12360	4.760	ug/l	97
59) 2-Hexanone	9.49	43	19066	4.617	ug/l	100
60) Dibromochloromethane	9.59	129	2251	0.854	ug/l	97
61) 1,2-Dibromoethane	9.67	107	2877	0.990	ug/l	97
64) Tetrachloroethene	9.34	164	2595	1.090	ug/l	90
65) Chlorobenzene	10.13	112	7365	1.047	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	2335	0.947	ug/l #	63
67) Ethyl Benzene	10.25	91	12809	0.979	ug/l	98
68) m/p-Xylenes	10.36	106	9163	1.946	ug/l	98
69) o-Xylene	10.70	106	4643	1.017	ug/l	98
70) Styrene	10.71	104	7636	0.970	ug/l	98
71) Bromoform	10.86	173	1758	0.929	ug/l #	90
73) Isopropylbenzene	11.02	105	11521	0.990	ug/l	100
74) N-amyl acetate	10.90	43	6182	0.904	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	4449	1.008	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	4322m	1.121	ug/l	
77) Bromobenzene	11.26	156	3295	1.171	ug/l	94
78) n-propylbenzene	11.36	91	12500	0.923	ug/l	97
79) 2-Chlorotoluene	11.42	91	8363	1.021	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	9429	0.967	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	1290	0.915	ug/l	83
82) 4-Chlorotoluene	11.51	91	9768	1.030	ug/l	99
83) tert-Butylbenzene	11.77	119	9260	0.986	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	9864	0.999	ug/l	99
85) sec-Butylbenzene	11.94	105	10487	0.940	ug/l	96
86) p-Isopropyltoluene	12.06	119	9717	0.967	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	5410	1.075	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	5717m	1.120	ug/l	
89) n-Butylbenzene	12.39	91	8593	0.913	ug/l	97
90) Hexachloroethane	12.60	117	1548	0.928	ug/l	89
91) 1,2-Dichlorobenzene	12.39	146	5237	1.048	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	985	1.012	ug/l	89
93) 1,2,4-Trichlorobenzene	13.65	180	3620	1.033	ug/l	94
94) Hexachlorobutadiene	13.79	225	1757	1.046	ug/l	98
95) Naphthalene	13.83	128	11489	0.990	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	3524	1.009	ug/l	95

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

