

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008613.D
 Acq On : 03 Apr 2019 12:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 3:37:51 PM

Quant Time: Apr 04 04:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:04:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	195382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130745	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	54304	19.06	ug/l	0.00
Spiked Amount						
			Recovery	=	38.12%	
35) Dibromofluoromethane	5.50	113	39863	19.24	ug/l	0.00
Spiked Amount						
			Recovery	=	38.48%	
50) Toluene-d8	8.71	98	162781	19.73	ug/l	0.00
Spiked Amount						
			Recovery	=	39.46%	
62) 4-Bromofluorobenzene	11.13	95	57284	19.58	ug/l	0.00
Spiked Amount						
			Recovery	=	39.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	42412	18.858	ug/l	98
3) Chloromethane	1.32	50	59890	19.275	ug/l	99
4) Vinyl Chloride	1.40	62	56259	18.505	ug/l	99
5) Bromomethane	1.64	94	28518	17.588	ug/l	99
6) Chloroethane	1.72	64	37395	17.505	ug/l	98
7) Trichlorofluoromethane	1.93	101	62508	18.599	ug/l	99
8) Diethyl Ether	2.19	74	29598	18.571	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	40821	18.866	ug/l	99
10) Methyl Iodide	2.51	142	25617	14.363	ug/l	99
11) Tert butyl alcohol	3.04	59	67252	100.803	ug/l	99
12) 1,1-Dichloroethene	2.37	96	42145	18.658	ug/l	99
13) Acrolein	2.29	56	31209	94.340	ug/l	99
14) Allyl chloride	2.73	41	96489	18.660	ug/l	99
15) Acrylonitrile	3.14	53	168953	95.592	ug/l	100
16) Acetone	2.44	43	155444	94.703	ug/l	98
17) Carbon Disulfide	2.57	76	125498	17.298	ug/l	98
18) Methyl Acetate	2.77	43	74508	18.717	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	153428	19.020	ug/l	98
20) Methylene Chloride	2.85	84	50613	18.422	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	44337	18.147	ug/l	96
22) Diisopropyl ether	3.85	45	187696	18.833	ug/l	91
23) Vinyl Acetate	3.81	43	839185	96.790	ug/l	99
24) 1,1-Dichloroethane	3.70	63	92831	18.813	ug/l	97
25) 2-Butanone	4.67	43	251323	96.877	ug/l	98
26) 2,2-Dichloropropane	4.59	77	63767	18.348	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	51888	18.472	ug/l	99
28) Bromochloromethane	5.01	49	45652	19.493	ug/l	99
29) Tetrahydrofuran	5.13	42	164939	95.791	ug/l	100
30) Chloroform	5.21	83	83040	18.841	ug/l	99
31) Cyclohexane	5.58	56	91357	18.554	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	65850	18.489	ug/l	99
36) 1,1-Dichloropropene	5.80	75	65565	18.509	ug/l	100
37) Ethyl Acetate	4.84	43	93235	19.718	ug/l	99
38) Carbon Tetrachloride	5.79	117	55399	18.895	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79916	18.262	ug/l	97
40) Benzene	6.14	78	200594	19.008	ug/l	99
41) Methacrylonitrile	5.04	41	51364	18.898	ug/l	98
42) 1,2-Dichloroethane	6.20	62	70928	18.748	ug/l	100
43) Isopropyl Acetate	6.45	43	141958	19.165	ug/l	100
44) Trichloroethene	7.21	130	45099	18.349	ug/l	98
45) 1,2-Dichloropropane	7.51	63	57481	19.083	ug/l	100
46) Dibromomethane	7.66	93	32104	18.377	ug/l	100
47) Bromodichloromethane	7.90	83	62325	18.921	ug/l	97
48) Methyl methacrylate	7.77	41	71444	19.068	ug/l	99
49) 1,4-Dioxane	7.74	88	28479	405.751	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	483118	101.322	ug/l	100
52) Toluene	8.79	92	119779	19.252	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	69780	18.912	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	78791	18.688	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	48705	19.502	ug/l	97
56) Ethyl methacrylate	9.18	69	89103	19.719	ug/l	100
57) 1,3-Dichloropropane	9.37	76	86269	19.237	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	224945	97.493	ug/l	100
59) 2-Hexanone	9.49	43	374252	100.998	ug/l	100
60) Dibromochloromethane	9.58	129	44583	18.944	ug/l	99
61) 1,2-Dibromoethane	9.67	107	49679	19.108	ug/l	98
64) Tetrachloroethene	9.34	164	38399	17.979	ug/l	95
65) Chlorobenzene	10.14	112	120020	18.782	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	42082	18.772	ug/l	99
67) Ethyl Benzene	10.25	91	226599	19.017	ug/l	100
68) m/p-Xylenes	10.36	106	162915	38.027	ug/l	100
69) o-Xylene	10.70	106	79258	19.090	ug/l	100
70) Styrene	10.71	104	137009	19.144	ug/l	100
71) Bromoform	10.85	173	32354	18.897	ug/l	96
73) Isopropylbenzene	11.02	105	210539	19.431	ug/l	100
74) N-amyl acetate	10.90	43	125798	19.734	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	80380	19.506	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	69486m	17.977	ug/l	
77) Bromobenzene	11.26	156	50119	19.241	ug/l	100
78) n-propylbenzene	11.36	91	242700	19.237	ug/l	100
79) 2-Chlorotoluene	11.42	91	145943	19.116	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	177399	19.505	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	23983	18.406	ug/l	93
82) 4-Chlorotoluene	11.51	91	164430	18.606	ug/l	99
83) tert-Butylbenzene	11.77	119	169813	19.406	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	178281	19.358	ug/l	100
85) sec-Butylbenzene	11.94	105	199486	19.193	ug/l	99
86) p-Isopropyltoluene	12.06	119	179375	19.228	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	86371	18.522	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	85967	18.206	ug/l	98
89) n-Butylbenzene	12.38	91	163683	18.709	ug/l	100
90) Hexachloroethane	12.60	117	29192	18.867	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	88008	19.008	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17759	19.591	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	59853	18.593	ug/l	99
94) Hexachlorobutadiene	13.78	225	29276	18.963	ug/l	98
95) Naphthalene	13.83	128	210837	19.596	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	61008	18.968	ug/l	99

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

