

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
 Data File : VX010883.D
 Acq On : 15 Jul 2019 14:41
 Operator : JC/SP
 Sample : VX0715WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 10:44:18 AM

Quant Time: Jul 16 03:22:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	363478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184807	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	110723	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	
35) Dibromofluoromethane	5.49	113	102176	42.01	ug/l	0.00
Spiked Amount			Recovery	=	84.02%	
50) Toluene-d8	8.71	98	372110	39.99	ug/l	0.00
Spiked Amount			Recovery	=	79.98%	
62) 4-Bromofluorobenzene	11.13	95	141043	41.99	ug/l	0.00
Spiked Amount			Recovery	=	83.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	33954	18.225	ug/l	100
3) Chloromethane	1.33	50	35571	16.396	ug/l	99
4) Vinyl Chloride	1.41	62	38951	16.392	ug/l	98
5) Bromomethane	1.64	94	21152	18.272	ug/l	99
6) Chloroethane	1.72	64	36411	25.972	ug/l	95
7) Trichlorofluoromethane	1.93	101	69583	18.473	ug/l	96
8) Diethyl Ether	2.19	74	23656	17.512	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40072	17.555	ug/l	98
10) Methyl Iodide	2.51	142	45108	13.846	ug/l	96
11) Tert butyl alcohol	3.04	59	49030	74.575	ug/l	97
12) 1,1-Dichloroethene	2.37	96	39176	16.866	ug/l	98
13) Acrolein	2.29	56	41635	95.462	ug/l	99
14) Allyl chloride	2.73	41	56955	17.271	ug/l	96
15) Acrylonitrile	3.14	53	113885	87.489	ug/l	99
16) Acetone	2.44	43	103128	81.898	ug/l	94
17) Carbon Disulfide	2.57	76	90998	14.602	ug/l	100
18) Methyl Acetate	2.78	43	45873	18.278	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	130758	17.894	ug/l	100
20) Methylene Chloride	2.85	84	44470	17.160	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	41502	16.613	ug/l	96
22) Diisopropyl ether	3.85	45	124910	18.117	ug/l	97
23) Vinyl Acetate	3.81	43	538506	90.409	ug/l	98
24) 1,1-Dichloroethane	3.70	63	69719	17.494	ug/l	98
25) 2-Butanone	4.67	43	159410	86.301	ug/l	99
26) 2,2-Dichloropropane	4.58	77	57193	16.520	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	49208	17.045	ug/l	97
28) Bromochloromethane	5.01	49	32673	17.147	ug/l	94
29) Tetrahydrofuran	5.13	42	98876	86.420	ug/l	99
30) Chloroform	5.21	83	76980	17.952	ug/l	99
31) Cyclohexane	5.58	56	61415	16.922	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	64702	17.088	ug/l	97
36) 1,1-Dichloropropene	5.81	75	53397	16.904	ug/l	99
37) Ethyl Acetate	4.84	43	58256	17.927	ug/l	98
38) Carbon Tetrachloride	5.79	117	56274	16.452	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67543	16.267	ug/l	98
40) Benzene	6.14	78	169505	17.224	ug/l	99
41) Methacrylonitrile	5.04	41	32380	18.160	ug/l	96
42) 1,2-Dichloroethane	6.19	62	57917	19.334	ug/l	98
43) Isopropyl Acetate	6.45	43	93408	17.374	ug/l	98
44) Trichloroethene	7.21	130	49608	16.847	ug/l	95
45) 1,2-Dichloropropane	7.51	63	43737	17.599	ug/l	98
46) Dibromomethane	7.66	93	31834	17.854	ug/l	93
47) Bromodichloromethane	7.90	83	55677	17.039	ug/l	98
48) Methyl methacrylate	7.77	41	44625	17.857	ug/l	97
49) 1,4-Dioxane	7.74	88	24755	343.865	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	312273	90.816	ug/l	97
52) Toluene	8.78	92	111580	17.217	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57913	15.808	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	65916	16.557	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	46612	17.440	ug/l	97
56) Ethyl methacrylate	9.18	69	69776	17.233	ug/l	95
57) 1,3-Dichloropropane	9.37	76	73331	17.675	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	156610	81.444	ug/l	100
59) 2-Hexanone	9.49	43	246901	91.234	ug/l	97
60) Dibromochloromethane	9.58	129	47954	16.024	ug/l	100
61) 1,2-Dibromoethane	9.67	107	50265	17.423	ug/l	99
64) Tetrachloroethene	9.34	164	47109	16.024	ug/l	97
65) Chlorobenzene	10.14	112	125117	16.955	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	44458	16.540	ug/l	99
67) Ethyl Benzene	10.25	91	214082	17.184	ug/l	99
68) m/p-Xylenes	10.36	106	164883	34.158	ug/l	99
69) o-Xylene	10.69	106	80512	16.961	ug/l	98
70) Styrene	10.71	104	137295	17.246	ug/l	99
71) Bromoform	10.85	173	35132	15.030	ug/l #	100
73) Isopropylbenzene	11.02	105	218142	17.413	ug/l	98
74) N-amyl acetate	10.90	43	84986	17.950	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	72935	17.580	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	59718m	17.733	ug/l	
77) Bromobenzene	11.26	156	58952	16.853	ug/l	98
78) n-propylbenzene	11.36	91	242473	17.611	ug/l	99
79) 2-Chlorotoluene	11.42	91	142889	17.428	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	182182	17.640	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	19671	13.627	ug/l #	84
82) 4-Chlorotoluene	11.51	91	166040	17.798	ug/l	98
83) tert-Butylbenzene	11.77	119	179665	17.333	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	183010	17.638	ug/l	98
85) sec-Butylbenzene	11.94	105	211792	17.402	ug/l	99
86) p-Isopropyltoluene	12.06	119	193160	17.158	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	103991	17.031	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	102496	16.488	ug/l	98
89) n-Butylbenzene	12.38	91	163518	17.094	ug/l	99
90) Hexachloroethane	12.59	117	28566	14.675	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	102518	16.893	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14916	16.675	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	70563	16.767	ug/l	98
94) Hexachlorobutadiene	13.78	225	35252	17.139	ug/l	97
95) Naphthalene	13.83	128	214645	16.597	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	70568	16.865	ug/l	100

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

