

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010950.D
 Acq On : 18 Jul 2019 11:52
 Operator : JC/SP
 Sample : VX0718WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 12:03:25 PM

Quant Time: Jul 19 01:47:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	211741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	312236	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	288939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148840	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	103273	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
35) Dibromofluoromethane	5.49	113	93513	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
50) Toluene-d8	8.71	98	353244	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
62) 4-Bromofluorobenzene	11.13	95	126805	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	44328	19.965	ug/l	99
3) Chloromethane	1.33	50	39045	20.052	ug/l	97
4) Vinyl Chloride	1.41	62	40421	20.352	ug/l	98
5) Bromomethane	1.64	94	25584	22.859	ug/l	99
6) Chloroethane	1.73	64	25175	19.946	ug/l	98
7) Trichlorofluoromethane	1.93	101	68018	20.232	ug/l	99
8) Diethyl Ether	2.19	74	22759	19.648	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	38175	19.887	ug/l	97
10) Methyl Iodide	2.51	142	42008	16.676	ug/l	99
11) Tert butyl alcohol	3.04	59	48383	92.227	ug/l	99
12) 1,1-Dichloroethene	2.37	96	36178	19.182	ug/l	99
13) Acrolein	2.29	56	23574	77.776	ug/l	100
14) Allyl chloride	2.73	41	53856	19.659	ug/l	98
15) Acrylonitrile	3.14	53	103684	97.808	ug/l	99
16) Acetone	2.44	43	95842	94.204	ug/l	98
17) Carbon Disulfide	2.57	76	90147	18.633	ug/l	99
18) Methyl Acetate	2.78	43	44900	19.382	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	119009	19.601	ug/l	99
20) Methylene Chloride	2.86	84	42095	19.524	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	39053	19.515	ug/l	93
22) Diisopropyl ether	3.85	45	113142	19.582	ug/l	99
23) Vinyl Acetate	3.82	43	484069	98.880	ug/l	99
24) 1,1-Dichloroethane	3.70	63	64333	19.172	ug/l	98
25) 2-Butanone	4.67	43	144074	98.651	ug/l	97
26) 2,2-Dichloropropane	4.59	77	50296	18.255	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	45649	19.710	ug/l	96
28) Bromochloromethane	5.02	49	31426	19.874	ug/l	97
29) Tetrahydrofuran	5.13	42	90245	97.551	ug/l	99
30) Chloroform	5.21	83	69995	19.299	ug/l	99
31) Cyclohexane	5.58	56	59971	19.608	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	60258	19.204	ug/l	99
36) 1,1-Dichloropropene	5.81	75	49565	19.326	ug/l	98
37) Ethyl Acetate	4.84	43	52951	20.163	ug/l	98
38) Carbon Tetrachloride	5.79	117	51773	19.372	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65600	19.724	ug/l	94
40) Benzene	6.15	78	156262	19.890	ug/l	99
41) Methacrylonitrile	5.05	41	28330	19.003	ug/l	99
42) 1,2-Dichloroethane	6.19	62	53513	19.590	ug/l	100
43) Isopropyl Acetate	6.45	43	83385	19.310	ug/l	99
44) Trichloroethene	7.21	130	44807	19.268	ug/l	94
45) 1,2-Dichloropropane	7.51	63	39034	19.521	ug/l	95
46) Dibromomethane	7.66	93	28761	20.129	ug/l	98
47) Bromodichloromethane	7.90	83	48789	19.182	ug/l	99
48) Methyl methacrylate	7.77	41	40928	19.456	ug/l	99
49) 1,4-Dioxane	7.74	88	22978	390.489	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	281121	100.426	ug/l	99
52) Toluene	8.78	92	101252	19.619	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	51838	18.955	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	58968	19.377	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	42179	19.849	ug/l	98
56) Ethyl methacrylate	9.18	69	61846	19.896	ug/l	98
57) 1,3-Dichloropropane	9.37	76	67117	19.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	144355	97.285	ug/l	99
59) 2-Hexanone	9.49	43	220546	101.579	ug/l	99
60) Dibromochloromethane	9.58	129	41894	18.792	ug/l	100
61) 1,2-Dibromoethane	9.67	107	44908	19.913	ug/l	99
64) Tetrachloroethene	9.33	164	44782	19.701	ug/l	97
65) Chlorobenzene	10.13	112	113176	19.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	39716	19.042	ug/l	98
67) Ethyl Benzene	10.25	91	198464	19.647	ug/l	99
68) m/p-Xylenes	10.36	106	151060	38.985	ug/l	99
69) o-Xylene	10.69	106	73870	19.534	ug/l	99
70) Styrene	10.71	104	124410	19.735	ug/l	98
71) Bromoform	10.85	173	30298	17.690	ug/l #	99
73) Isopropylbenzene	11.02	105	197235	19.612	ug/l	100
74) N-amyl acetate	10.90	43	74036	19.266	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	64139	19.488	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	52372m	19.499	ug/l	
77) Bromobenzene	11.26	156	53863	19.416	ug/l	99
78) n-propylbenzene	11.36	91	220941	19.883	ug/l	98
79) 2-Chlorotoluene	11.42	91	128897	19.309	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	164985	19.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	16832	18.593	ug/l	94
82) 4-Chlorotoluene	11.51	91	148316	19.090	ug/l	99
83) tert-Butylbenzene	11.77	119	161665	19.585	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	165690	19.562	ug/l	100
85) sec-Butylbenzene	11.94	105	192173	19.869	ug/l	100
86) p-Isopropyltoluene	12.06	119	176460	19.734	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	93328	19.386	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	94587	19.157	ug/l	99
89) n-Butylbenzene	12.38	91	148584	19.423	ug/l	100
90) Hexachloroethane	12.60	117	25345	17.970	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	94423	19.790	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12792	18.594	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	62456	19.315	ug/l	100
94) Hexachlorobutadiene	13.78	225	31238	19.495	ug/l	97
95) Naphthalene	13.83	128	192249	20.134	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	64491	20.045	ug/l	100

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

