

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010682.D
 Acq On : 04 Jul 2019 10:58
 Operator : JC/SP
 Sample : K3669-14MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW151-190702MSD

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:58:58 AM

Quant Time: Jul 05 04:29:23 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	217450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159978	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	112382	55.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	110.24%		
35) Dibromofluoromethane	5.50	113	106072	51.22	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.44%		
50) Toluene-d8	8.71	98	385275	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.26%		
62) 4-Bromofluorobenzene	11.13	95	143947	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	96511	63.840	ug/l	100
3) Chloromethane	1.32	50	102060	57.976	ug/l	99
4) Vinyl Chloride	1.41	62	112442	58.316	ug/l	98
5) Bromomethane	1.64	94	54488	58.006	ug/l	100
6) Chloroethane	1.71	64	68401	60.129	ug/l	99
7) Trichlorofluoromethane	1.93	101	184485	60.357	ug/l	100
8) Diethyl Ether	2.19	74	65681	59.921	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101309	54.694	ug/l	98
10) Methyl Iodide	2.51	142	133165	50.375	ug/l	97
11) Tert butyl alcohol	3.05	59	125296	234.861	ug/l	98
12) 1,1-Dichloroethene	2.37	96	106564	56.538	ug/l	98
13) Acrolein	2.29	56	87684	247.762	ug/l	100
14) Allyl chloride	2.73	41	143997	53.813	ug/l	97
15) Acrylonitrile	3.14	53	307382	291.013	ug/l	100
16) Acetone	2.45	43	257043	251.562	ug/l	97
17) Carbon Disulfide	2.57	76	273857	54.158	ug/l	100
18) Methyl Acetate	2.78	43	102021	50.097	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	343196	57.880	ug/l	99
20) Methylene Chloride	2.85	84	119874	57.007	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	112444	55.470	ug/l	95
22) Diisopropyl ether	3.85	45	325045	58.099	ug/l	96
23) Vinyl Acetate	3.81	43	1213216	251.018	ug/l	97
24) 1,1-Dichloroethane	3.70	63	186590	57.698	ug/l	99
25) 2-Butanone	4.67	43	414052	276.249	ug/l	100
26) 2,2-Dichloropropane	4.58	77	71228	25.354	ug/l	82
27) cis-1,2-Dichloroethene	4.60	96	231214	98.703	ug/l	95
28) Bromochloromethane	5.01	49	77277	49.979	ug/l	95
29) Tetrahydrofuran	5.13	42	268525	289.237	ug/l	99
30) Chloroform	5.21	83	200731	57.689	ug/l	100
31) Cyclohexane	5.58	56	167199	56.775	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	173929	56.610	ug/l	99
36) 1,1-Dichloropropene	5.80	75	143508	53.351	ug/l	98
37) Ethyl Acetate	4.83	43	136298	49.255	ug/l	98
38) Carbon Tetrachloride	5.79	117	154490	53.039	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	182246	51.544	ug/l	99
40) Benzene	6.14	78	460527	54.954	ug/l	99
41) Methacrylonitrile	5.04	41	83423	54.944	ug/l	98
42) 1,2-Dichloroethane	6.19	62	153797	60.290	ug/l	97
43) Isopropyl Acetate	6.45	43	234877	51.302	ug/l	97
44) Trichloroethene	7.21	130	132507	52.843	ug/l	95
45) 1,2-Dichloropropane	7.51	63	113148	53.467	ug/l	99
46) Dibromomethane	7.66	93	83322	54.877	ug/l	96
47) Bromodichloromethane	7.90	83	149539	53.742	ug/l	100
48) Methyl methacrylate	7.77	41	121851	57.259	ug/l	98
49) 1,4-Dioxane	7.74	88	55723	908.961	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	840130	286.918	ug/l	98
52) Toluene	8.78	92	295986	53.634	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	147581	47.307	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	163283	48.164	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	124160	54.552	ug/l	98
56) Ethyl methacrylate	9.18	69	190211	55.168	ug/l	96
57) 1,3-Dichloropropane	9.37	76	194992	55.191	ug/l	99
59) 2-Hexanone	9.49	43	641232	278.248	ug/l	99
60) Dibromochloromethane	9.58	129	133387	52.342	ug/l	99
61) 1,2-Dibromoethane	9.67	107	133760	54.447	ug/l	100
64) Tetrachloroethene	9.34	164	119473	47.335	ug/l	99
65) Chlorobenzene	10.14	112	849301	134.058	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	123036	53.317	ug/l	99
67) Ethyl Benzene	10.25	91	572987	53.573	ug/l	98
68) m/p-Xylenes	10.36	106	440883	106.386	ug/l	98
69) o-Xylene	10.69	106	216965	53.237	ug/l	98
70) Stvrene	10.71	104	369093	54.003	ug/l	99
71) Bromoform	10.85	173	100835	50.247	ug/l #	99
73) Isopropylbenzene	11.02	105	582725	53.734	ug/l	99
74) N-amyl acetate	10.90	43	196664	47.986	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	194586	54.181	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	156553m	53.702	ug/l	
77) Bromobenzene	11.26	156	154879	51.147	ug/l	96
78) n-propylbenzene	11.36	91	640220	53.716	ug/l	99
79) 2-Chlorotoluene	11.42	91	380007	53.543	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	476786	53.332	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	45847	36.689	ug/l	90
82) 4-Chlorotoluene	11.51	91	435591	53.937	ug/l	99
83) tert-Butylbenzene	11.77	119	514567	57.346	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	484805	53.976	ug/l	99
85) sec-Butylbenzene	11.94	105	597508	56.714	ug/l	98
86) p-Isopropyltoluene	12.06	119	506882	52.015	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	275097	52.045	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	278103	51.681	ug/l	99
89) n-Butylbenzene	12.38	91	429827	51.906	ug/l	99
90) Hexachloroethane	12.60	117	85941	51.002	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	272167	51.808	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	40652	52.500	ug/l	90
93) 1,2,4-Trichlorobenzene	13.65	180	184357	50.604	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	87556	49.174	ug/l	100
95) Naphthalene	13.83	128	587931	52.515	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	184341	50.892	ug/l	99

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

