

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004156.D
 Acq On : 20 Aug 2018 16:42
 Operator : JC/MD
 Sample : J4541-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:16:50 AM

Quant Time: Aug 21 02:00:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	304727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444905	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	435023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	266045	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	210906	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	5.50	113	178568	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	8.72	98	682427	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.14	95	252259	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	136284	45.94	ug/l	99
3) Chloromethane	1.32	50	170135	46.74	ug/l	99
4) Vinyl Chloride	1.40	62	211415	53.68	ug/l	96
5) Bromomethane	1.64	94	87131	43.63	ug/l	99
6) Chloroethane	1.71	64	132412	51.15	ug/l	96
7) Trichlorofluoromethane	1.92	101	259833	47.03	ug/l	99
8) Diethyl Ether	2.19	74	115661	47.95	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	160293	46.51	ug/l	100
10) Methyl Iodide	2.51	142	162274	44.67	ug/l	100
11) Tert butyl alcohol	3.07	59	185299	214.32	ug/l	99
12) 1,1-Dichloroethene	2.37	96	152783	47.66	ug/l	96
13) Acrolein	2.29	56	139728	238.72	ug/l	98
14) Allyl chloride	2.73	41	286382	46.95	ug/l	96
15) Acrylonitrile	3.15	53	506827	235.11	ug/l	99
16) Acetone	2.45	43	498478	223.31	ug/l	100
17) Carbon Disulfide	2.56	76	415620	45.71	ug/l	100
18) Methyl Acetate	2.78	43	241013	48.59	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	545139	48.27	ug/l	100
20) Methylene Chloride	2.85	84	181677	49.79	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	173515	47.66	ug/l	95
22) Diisopropyl ether	3.87	45	551909	46.18	ug/l	97
23) Vinyl Acetate	3.82	43	2170317	221.08	ug/l	99
24) 1,1-Dichloroethane	3.69	63	308299	45.54	ug/l	98
25) 2-Butanone	4.70	43	805252	221.71	ug/l	99
26) 2,2-Dichloropropane	4.58	77	225266	41.85	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	213822	52.23	ug/l	96
28) Bromochloromethane	5.02	49	154593	49.77	ug/l	98
29) Tetrahydrofuran	5.16	42	412696	222.40	ug/l	100
30) Chloroform	5.21	83	324296	49.08	ug/l	98
31) Cyclohexane	5.57	56	271798	45.80	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	271364	49.15	ug/l	98
36) 1,1-Dichloropropene	5.80	75	238785	47.17	ug/l	100
37) Ethyl Acetate	4.86	43	233175	42.29	ug/l	100
38) Carbon Tetrachloride	5.78	117	239548	48.70	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	273882	47.69	ug/l	99
40) Benzene	6.14	78	739668	48.66	ug/l	100
41) Methacrylonitrile	5.06	41	139378	45.14	ug/l	99
42) 1,2-Dichloroethane	6.20	62	252337	47.42	ug/l	100
43) Isopropyl Acetate	6.46	43	371024	45.66	ug/l	100
44) Trichloroethene	7.21	130	197291	47.80	ug/l	91
45) 1,2-Dichloropropane	7.52	63	183250	47.09	ug/l	97
46) Dibromomethane	7.66	93	124715	49.04	ug/l	99
47) Bromodichloromethane	7.90	83	240862	50.01	ug/l	99
48) Methyl methacrylate	7.78	41	203659	49.79	ug/l	98
49) 1,4-Dioxane	7.76	88	81797	888.13	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1657588	248.77	ug/l	100
52) Toluene	8.79	92	475650	49.47	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	266035	51.13	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	278079	48.26	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	192732	48.54	ug/l	97
56) Ethyl methacrylate	9.18	69	280309	51.92	ug/l	100
57) 1,3-Dichloropropane	9.37	76	325529	49.42	ug/l	100
59) 2-Hexanone	9.50	43	1251737	249.61	ug/l	100
60) Dibromochloromethane	9.59	129	194379	50.87	ug/l	100
61) 1,2-Dibromoethane	9.67	107	199011	49.17	ug/l	100
64) Tetrachloroethene	9.34	164	177056	42.94	ug/l	96
65) Chlorobenzene	10.14	112	535303	47.64	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	191111	49.86	ug/l	99
67) Ethyl Benzene	10.25	91	892827	50.18	ug/l	99
68) m/p-Xylenes	10.36	106	715099	102.62	ug/l	95
69) o-Xylene	10.70	106	340556	51.14	ug/l	96
70) Styrene	10.71	104	580130	51.76	ug/l	97
71) Bromoform	10.86	173	149576	49.22	ug/l	99
73) Isopropylbenzene	11.02	105	904859	50.26	ug/l	97
74) N-amyl acetate	6.46	43	371024	43.81	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	301746	47.99	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	251696m	47.18	ug/l	
77) Bromobenzene	11.26	156	237531	47.86	ug/l	99
78) n-propylbenzene	11.36	91	993616	49.32	ug/l	99
79) 2-Chlorotoluene	11.42	91	589207	47.99	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	743330	50.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	82554	47.90	ug/l	99
82) 4-Chlorotoluene	11.51	91	720448	49.64	ug/l	100
83) tert-Butylbenzene	11.77	119	772938	52.00	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	789309	51.70	ug/l	100
85) sec-Butylbenzene	11.94	105	902683	51.89	ug/l	100
86) p-Isopropyltoluene	12.07	119	813690	51.67	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	451225	47.67	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	448909	46.08	ug/l	99
89) n-Butylbenzene	12.39	91	686272	55.30	ug/l	98
90) Hexachloroethane	12.60	117	125111	53.09	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	458574	53.72	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	60331	54.60	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	313163	53.66	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	141252	48.29	ug/l	98
95) Naphthalene	13.83	128	947954	50.94	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	313957	49.34	ug/l	99

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

