

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070119\
 Data File : VX010602.D
 Acq On : 01 Jul 2019 19:38
 Operator : JC/SP
 Sample : K3521-40MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10IMSD

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 9:55:32 AM

Quant Time: Jul 02 07:19:45 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	5.66	168	227656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	349477	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	315919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	115105	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
35) Dibromofluoromethane	5.50	113	111800	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	8.71	98	408037	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.13	95	148344	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68216	43.100	ug/l	97
3) Chloromethane	1.32	50	80447	43.650	ug/l	98
4) Vinyl Chloride	1.41	62	91034	45.097	ug/l	99
5) Bromomethane	1.64	94	45134	45.894	ug/l	99
6) Chloroethane	1.72	64	58966	49.512	ug/l	98
7) Trichlorofluoromethane	1.93	101	162215	50.692	ug/l	99
8) Diethyl Ether	2.19	74	60170	52.433	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	91137	46.997	ug/l	99
10) Methyl Iodide	2.51	142	126372	45.662	ug/l	99
11) Tert butyl alcohol	3.05	59	122786	219.838	ug/l	98
12) 1,1-Dichloroethene	2.37	96	94152	47.714	ug/l	98
13) Acrolein	2.29	56	100170	270.354	ug/l	98
14) Allyl chloride	2.73	41	138697	49.508	ug/l	99
15) Acrylonitrile	3.14	53	289392	261.698	ug/l	99
16) Acetone	2.45	43	227509	212.676	ug/l	96
17) Carbon Disulfide	2.57	76	220343	41.621	ug/l	100
18) Methyl Acetate	2.78	43	99545	46.689	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	328854	52.975	ug/l	100
20) Methylene Chloride	2.85	84	112398	51.056	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	101941	48.034	ug/l	96
22) Diisopropyl ether	3.85	45	307531	52.504	ug/l	94
23) Vinyl Acetate	3.82	43	1178780	232.959	ug/l	100
24) 1,1-Dichloroethane	3.70	63	176623	52.167	ug/l	98
25) 2-Butanone	4.67	43	385571	245.714	ug/l	98
26) 2,2-Dichloropropane	4.59	77	116443	39.591	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	124456	50.747	ug/l	100
28) Bromochloromethane	5.01	49	81177	50.147	ug/l	96
29) Tetrahydrofuran	5.13	42	249779	256.984	ug/l	99
30) Chloroform	5.21	83	190450	52.281	ug/l	99
31) Cyclohexane	5.58	56	144035	46.717	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	165256	51.376	ug/l	99
36) 1,1-Dichloropropene	5.80	75	132387	47.670	ug/l	99
37) Ethyl Acetate	4.84	43	129231	45.233	ug/l	99
38) Carbon Tetrachloride	5.79	117	144119	47.924	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	156703	42.927	ug/l	99
40) Benzene	6.14	78	426535	49.298	ug/l	100
41) Methacrylonitrile	5.04	41	79730	50.862	ug/l	99
42) 1,2-Dichloroethane	6.19	62	139915	53.125	ug/l	98
43) Isopropyl Acetate	6.45	43	224061	47.402	ug/l	99
44) Trichloroethene	7.21	130	123952	47.878	ug/l	99
45) 1,2-Dichloropropane	7.51	63	108604	49.707	ug/l	100
46) Dibromomethane	7.66	93	78457	50.049	ug/l	98
47) Bromodichloromethane	7.90	83	145838	50.764	ug/l	100
48) Methyl methacrylate	7.77	41	115455	52.548	ug/l	98
49) 1,4-Dioxane	7.74	88	56090	886.193	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	787698	260.558	ug/l	98
52) Toluene	8.79	92	275548	48.361	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	153282	47.590	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	168722	48.204	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	120189	51.147	ug/l	99
56) Ethyl methacrylate	9.18	69	180694	50.761	ug/l	97
57) 1,3-Dichloropropane	9.37	76	187108	51.295	ug/l	99
59) 2-Hexanone	9.49	43	598947	251.732	ug/l	98
60) Dibromochloromethane	9.58	129	130048	49.428	ug/l	99
61) 1,2-Dibromoethane	9.67	107	127459	50.252	ug/l	100
64) Tetrachloroethene	9.34	164	114739	44.903	ug/l	99
65) Chlorobenzene	10.13	112	342496	53.400	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	120120	51.416	ug/l	99
67) Ethyl Benzene	10.25	91	537333	49.625	ug/l	99
68) m/p-Xylenes	10.36	106	408717	97.418	ug/l	98
69) o-Xylene	10.69	106	201854	48.924	ug/l	99
70) Stvrene	10.71	104	348736	50.401	ug/l	99
71) Bromoform	10.85	173	99542	48.996	ug/l	99
73) Isopropylbenzene	11.02	105	545154	50.194	ug/l	98
74) N-amyl acetate	10.90	43	191688	46.701	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	183475	51.010	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	148919m	51.006	ug/l	
77) Bromobenzene	11.26	156	148734	49.044	ug/l	98
78) n-propylbenzene	11.36	91	597063	50.020	ug/l	99
79) 2-Chlorotoluene	11.42	91	353434	49.724	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	445319	49.737	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53472	42.726	ug/l	93
82) 4-Chlorotoluene	11.51	91	408880	50.553	ug/l	100
83) tert-Butylbenzene	11.77	119	450477	50.128	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	449432	49.962	ug/l	99
85) sec-Butylbenzene	11.94	105	527759	50.018	ug/l	99
86) p-Isopropyltoluene	12.06	119	487345	49.935	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	258280	48.790	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	261527	48.527	ug/l	99
89) n-Butylbenzene	12.38	91	409915	49.427	ug/l	100
90) Hexachloroethane	12.59	117	81872	48.515	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	257888	49.016	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36738	47.374	ug/l	94
93) 1,2,4-Trichlorobenzene	13.65	180	179000	49.060	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	81608	45.765	ug/l	98
95) Naphthalene	13.83	128	559704	49.918	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	179677	49.530	ug/l	98

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

