

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111919\
 Data File : VX013465.D
 Acq On : 19 Nov 2019 15:35
 Operator : JC/SP
 Sample : K5929-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-RFW1147MSD

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:18:05 AM

Quant Time: Nov 19 16:37:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	665087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1015740	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	906280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	454640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	371509	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	5.48	113	313287	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	8.71	98	1180421	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	11.13	95	419402	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	319195	41.653	ug/l	100
3) Chloromethane	1.31	50	351804	42.334	ug/l	97
4) Vinyl Chloride	1.40	62	428800	45.324	ug/l	100
5) Bromomethane	1.63	94	282570	42.859	ug/l	100
6) Chloroethane	1.71	64	233067	42.927	ug/l	99
7) Trichlorofluoromethane	1.92	101	478712	42.828	ug/l	98
8) Diethyl Ether	2.18	74	223043	45.125	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	298804	47.963	ug/l	98
10) Methyl Iodide	2.50	142	365645	47.406	ug/l	97
11) Tert butyl alcohol	3.03	59	446619	215.056	ug/l	100
12) 1,1-Dichloroethene	2.36	96	289653	47.478	ug/l	99
13) Acrolein	2.28	56	240042	213.268	ug/l	98
14) Allyl chloride	2.72	41	549287	49.553	ug/l	95
15) Acrylonitrile	3.13	53	986454	254.287	ug/l	98
16) Acetone	2.43	43	833013	211.957	ug/l	100
17) Carbon Disulfide	2.56	76	706402	43.261	ug/l	99
18) Methyl Acetate	2.76	43	556506	51.290	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1025158	50.382	ug/l	93
20) Methylene Chloride	2.84	84	335124	46.152	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	311379	46.876	ug/l	99
22) Diisopropyl ether	3.84	45	1098013	51.308	ug/l	90
23) Vinyl Acetate	3.80	43	4584334	250.342	ug/l	100
24) 1,1-Dichloroethane	3.69	63	588988	49.199	ug/l	99
25) 2-Butanone	4.65	43	1382759	239.833	ug/l	100
26) 2,2-Dichloropropane	4.57	77	491191	51.576	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	372141	50.012	ug/l	98
28) Bromochloromethane	5.01	49	179509	52.810	ug/l	99
29) Tetrahydrofuran	5.11	42	891587	250.943	ug/l	100
30) Chloroform	5.20	83	582864	49.306	ug/l	96
31) Cyclohexane	5.57	56	538121	49.954	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	496421	48.797	ug/l	98
36) 1,1-Dichloropropene	5.79	75	427045	49.008	ug/l	99
37) Ethyl Acetate	4.82	43	567432	52.699	ug/l	99
38) Carbon Tetrachloride	5.78	117	422400	49.572	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	547210	50.399	ug/l	99
40) Benzene	6.13	78	1358080	50.034	ug/l	99
41) Methacrylonitrile	5.03	41	301828	50.012	ug/l	98
42) 1,2-Dichloroethane	6.18	62	476904	48.710	ug/l	100
43) Isopropyl Acetate	6.43	43	858896	51.227	ug/l	100
44) Trichloroethene	7.20	130	357813	47.890	ug/l	97
45) 1,2-Dichloropropane	7.51	63	351378	50.807	ug/l	99
46) Dibromomethane	7.65	93	227045	48.082	ug/l	98
47) Bromodichloromethane	7.89	83	461906	51.874	ug/l	97
48) Methyl methacrylate	7.76	41	429969	51.373	ug/l	97
49) 1,4-Dioxane	7.73	88	162989	850.356	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2739137	249.004	ug/l	99
52) Toluene	8.78	92	836922	49.748	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	518220	53.222	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	563319	51.720	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	352169	50.504	ug/l	99
56) Ethyl methacrylate	9.17	69	577058	48.522	ug/l	98
57) 1,3-Dichloropropane	9.37	76	591214	49.946	ug/l	99
59) 2-Hexanone	9.48	43	2095893	246.551	ug/l	99
60) Dibromochloromethane	9.57	129	380122	53.302	ug/l	98
61) 1,2-Dibromoethane	9.67	107	369054	49.842	ug/l	99
64) Tetrachloroethene	9.33	164	306083	47.178	ug/l	98
65) Chlorobenzene	10.14	112	912119	49.712	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	349535	51.883	ug/l	99
67) Ethyl Benzene	10.25	91	1590316	50.220	ug/l	99
68) m/p-Xylenes	10.35	106	1220392	101.902	ug/l	99
69) o-Xylene	10.70	106	590347	50.349	ug/l	99
70) Stvrene	10.71	104	1015827	51.829	ug/l	99
71) Bromoform	10.85	173	297913	47.841	ug/l	98
73) Isopropylbenzene	11.01	105	1603901	53.209	ug/l	100
74) N-amyl acetate	10.89	43	754859	54.003	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	575437	52.328	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	531234m	57.528	ug/l	
77) Bromobenzene	11.25	156	412580	51.343	ug/l	99
78) n-propylbenzene	11.35	91	1791535	53.355	ug/l	100
79) 2-Chlorotoluene	11.42	91	1045358	51.672	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1329877	52.967	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	194712	54.274	ug/l	97
82) 4-Chlorotoluene	11.51	91	1185863	50.075	ug/l	99
83) tert-Butylbenzene	11.76	119	1349468	53.392	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1385001	54.989	ug/l	99
85) sec-Butylbenzene	11.94	105	1535075	52.846	ug/l	100
86) p-Isopropyltoluene	12.06	119	1417262	52.986	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	713080	49.782	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	709455	48.613	ug/l	99
89) n-Butylbenzene	12.39	91	1196163	51.250	ug/l	99
90) Hexachloroethane	12.59	117	257259	53.981	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	720405	50.314	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	125576	46.872	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	480128	48.073	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	231823	47.444	ug/l	99
95) Naphthalene	13.83	128	1527273	48.739	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	485874	48.508	ug/l	100

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

