

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013732.D
 Acq On : 03 Dec 2019 18:08
 Operator : JC/SP
 Sample : K5984-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0191MS

Manual Integrations
 APPROVED

apatel
 12/4/2019 1:52:25 PM

Quant Time: Dec 04 02:51:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	642093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	992677	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	902172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	442284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	359616	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	5.49	113	297165	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	8.71	98	1147196	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.14	95	404725	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	346663	48.506	ug/l	98
3) Chloromethane	1.32	50	367118	45.780	ug/l	99
4) Vinyl Chloride	1.40	62	441654	48.932	ug/l	98
5) Bromomethane	1.63	94	194608	32.105	ug/l	99
6) Chloroethane	1.71	64	246542	48.001	ug/l	96
7) Trichlorofluoromethane	1.92	101	473925	47.287	ug/l	100
8) Diethyl Ether	2.18	74	224795	49.577	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	290980	47.532	ug/l	99
10) Methyl Iodide	2.50	142	246371	33.269	ug/l	99
11) Tert butyl alcohol	3.03	59	395548	215.007	ug/l	99
12) 1,1-Dichloroethene	2.36	96	292219	47.822	ug/l	99
13) Acrolein	2.28	56	262730	214.418	ug/l	98
14) Allyl chloride	2.72	41	525393	47.379	ug/l	99
15) Acrylonitrile	3.13	53	919896	242.239	ug/l	99
16) Acetone	2.43	43	780683	212.156	ug/l	100
17) Carbon Disulfide	2.56	76	775270	44.506	ug/l	99
18) Methyl Acetate	2.76	43	507836	49.561	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	995388	49.172	ug/l	98
20) Methylene Chloride	2.85	84	335115	47.403	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	315926	47.459	ug/l	97
22) Diisopropyl ether	3.84	45	1049964	49.172	ug/l	97
23) Vinyl Acetate	3.80	43	4247969	239.144	ug/l	100
24) 1,1-Dichloroethane	3.69	63	569488	48.788	ug/l	98
25) 2-Butanone	4.66	43	1285432	235.047	ug/l	99
26) 2,2-Dichloropropane	4.58	77	420775	43.569	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	367056	48.014	ug/l	98
28) Bromochloromethane	5.00	49	243395	52.766	ug/l	100
29) Tetrahydrofuran	5.11	42	827157	245.348	ug/l	99
30) Chloroform	5.20	83	557151	47.064	ug/l	96
31) Cyclohexane	5.57	56	511327	46.443	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	482180	48.741	ug/l	99
36) 1,1-Dichloropropene	5.79	75	420385	46.652	ug/l	99
37) Ethyl Acetate	4.82	43	483758	47.854	ug/l	99
38) Carbon Tetrachloride	5.78	117	405305	48.779	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	508051	45.612	ug/l	99
40) Benzene	6.14	78	1300068	47.371	ug/l	100
41) Methacrylonitrile	5.03	41	281131	50.709	ug/l	99
42) 1,2-Dichloroethane	6.18	62	458080	48.942	ug/l	99
43) Isopropyl Acetate	6.43	43	795308	47.788	ug/l	100
44) Trichloroethene	7.21	130	349465	46.397	ug/l	99
45) 1,2-Dichloropropane	7.51	63	335315	48.833	ug/l	97
46) Dibromomethane	7.65	93	219489	47.064	ug/l	99
47) Bromodichloromethane	7.89	83	433305	49.148	ug/l	100
48) Methyl methacrylate	7.76	41	406481	50.268	ug/l	99
49) 1,4-Dioxane	7.73	88	152218	840.978	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2562652	244.795	ug/l	100
52) Toluene	8.78	92	811709	47.609	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	490309	48.859	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	537676	49.042	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	337987	49.193	ug/l	97
56) Ethyl methacrylate	9.17	69	550798	49.863	ug/l	99
57) 1,3-Dichloropropane	9.37	76	563538	47.585	ug/l	99
59) 2-Hexanone	9.48	43	1963432	240.478	ug/l	99
60) Dibromochloromethane	9.58	129	352675	49.461	ug/l	99
61) 1,2-Dibromoethane	9.67	107	352825	48.081	ug/l	99
64) Tetrachloroethene	9.33	164	389572	57.904	ug/l	95
65) Chlorobenzene	10.14	112	890193	47.525	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	331545	49.292	ug/l	99
67) Ethyl Benzene	10.25	91	1557052	48.375	ug/l	99
68) m/p-Xylenes	10.35	106	1178298	95.618	ug/l	100
69) o-Xylene	10.70	106	576954	48.005	ug/l	100
70) Styrene	10.71	104	982139	48.579	ug/l	100
71) Bromoform	10.85	173	277731	49.904	ug/l #	98
73) Isopropylbenzene	11.01	105	1520497	49.009	ug/l	100
74) N-amyl acetate	10.89	43	708023	49.819	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	537989	50.003	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	423244m	42.547	ug/l	
77) Bromobenzene	11.25	156	399495	47.665	ug/l	99
78) n-propylbenzene	11.35	91	1725238	49.815	ug/l	100
79) 2-Chlorotoluene	11.42	91	1003681	48.311	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1291596	50.795	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	174719	48.051	ug/l	98
82) 4-Chlorotoluene	11.51	91	1162035	48.293	ug/l	99
83) tert-Butylbenzene	11.76	119	1303618	50.446	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1374076	53.246	ug/l	100
85) sec-Butylbenzene	11.94	105	1506135	51.026	ug/l	100
86) p-Isopropyltoluene	12.06	119	1356094	49.385	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	694483	47.534	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	688593	46.272	ug/l	99
89) n-Butylbenzene	12.38	91	1152860	49.225	ug/l	99
90) Hexachloroethane	12.59	117	247266	49.818	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	694206	48.091	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	119800	51.132	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	468479	46.567	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	217917	45.091	ug/l	98
95) Naphthalene	13.83	128	1526797	50.961	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	467111	46.894	ug/l	99

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

