

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014013.D
 Acq On : 13 Dec 2019 18:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX121319

Manual Integrations
 APPROVED

apatel
 12/17/2019 2:48:46 PM

Quant Time: Dec 17 03:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	621092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	932469	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	835490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	417707	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	347593	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	5.48	113	290025	51.17	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	8.71	98	1129204	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.13	95	404114	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	291288	52.423	ug/l	98
3) Chloromethane	1.32	50	383848	51.476	ug/l	100
4) Vinyl Chloride	1.40	62	398794	50.683	ug/l	99
5) Bromomethane	1.63	94	269636	48.282	ug/l	98
6) Chloroethane	1.71	64	249654	51.409	ug/l	97
7) Trichlorofluoromethane	1.92	101	509734	52.333	ug/l	100
8) Diethyl Ether	2.18	74	225529	49.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	309754	52.756	ug/l	100
10) Methyl Iodide	2.50	142	396524	51.147	ug/l	98
11) Tert butyl alcohol	3.03	59	388856	255.656	ug/l	99
12) 1,1-Dichloroethene	2.36	96	305414	51.120	ug/l	98
13) Acrolein	2.28	56	268569	308.460	ug/l	98
14) Allyl chloride	2.72	41	559686	52.467	ug/l	99
15) Acrylonitrile	3.12	53	918662	258.767	ug/l	100
16) Acetone	2.43	43	939159	205.507	ug/l	100
17) Carbon Disulfide	2.56	76	862642	51.979	ug/l	99
18) Methyl Acetate	2.76	43	454751	50.218	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1041263	53.038	ug/l	97
20) Methylene Chloride	2.84	84	348991	48.495	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	330319	50.185	ug/l	97
22) Diisopropyl ether	3.84	45	1110273	52.230	ug/l	98
23) Vinyl Acetate	3.80	43	4842976	279.180	ug/l	99
24) 1,1-Dichloroethane	3.69	63	597995	50.563	ug/l	99
25) 2-Butanone	4.65	43	1357662	240.967	ug/l	100
26) 2,2-Dichloropropane	4.57	77	499436	54.390	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	376663	50.600	ug/l	99
28) Bromochloromethane	5.00	49	231204	50.825	ug/l	100
29) Tetrahydrofuran	5.11	42	829161	263.112	ug/l	99
30) Chloroform	5.20	83	580896	51.813	ug/l	99
31) Cyclohexane	5.56	56	559555	53.196	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	498495	52.170	ug/l	99
36) 1,1-Dichloropropene	5.79	75	454000	53.063	ug/l	99
37) Ethyl Acetate	4.81	43	509182	53.892	ug/l	99
38) Carbon Tetrachloride	5.77	117	429343	55.084	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	570596	54.011	ug/l	98
40) Benzene	6.13	78	1360588	51.683	ug/l	100
41) Methacrylonitrile	5.02	41	283070	53.997	ug/l	98
42) 1,2-Dichloroethane	6.18	62	469125	52.570	ug/l	99
43) Isopropyl Acetate	6.43	43	850005	54.361	ug/l	99
44) Trichloroethene	7.20	130	371092	51.035	ug/l	97
45) 1,2-Dichloropropane	7.50	63	350152	51.894	ug/l	100
46) Dibromomethane	7.65	93	229903	51.535	ug/l	99
47) Bromodichloromethane	7.89	83	452971	53.914	ug/l	98
48) Methyl methacrylate	7.76	41	414594	54.148	ug/l	99
49) 1,4-Dioxane	7.73	88	163781	1051.128	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2580512	262.786	ug/l	99
52) Toluene	8.78	92	857143	51.512	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	516909	56.109	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	578598	56.374	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	342987	51.430	ug/l	98
56) Ethyl methacrylate	9.17	69	570730	54.481	ug/l	99
57) 1,3-Dichloropropane	9.36	76	586215	52.245	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1007644	254.171	ug/l	100
59) 2-Hexanone	9.48	43	1995401	252.423	ug/l	99
60) Dibromochloromethane	9.57	129	366389	55.271	ug/l	100
61) 1,2-Dibromoethane	9.67	107	360865	52.886	ug/l	100
64) Tetrachloroethene	9.33	164	332078	44.918	ug/l	97
65) Chlorobenzene	10.14	112	917959	51.674	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	339861	53.581	ug/l	99
67) Ethyl Benzene	10.25	91	1643804	53.822	ug/l	100
68) m/p-Xylenes	10.36	106	1253248	106.690	ug/l	100
69) o-Xylene	10.70	106	605775	52.582	ug/l	98
70) Styrene	10.71	104	1037862	53.275	ug/l	99
71) Bromoform	10.85	173	286793	56.249	ug/l #	99
73) Isopropylbenzene	11.01	105	1615818	54.942	ug/l	100
74) N-amyl acetate	10.89	43	755178	54.780	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	539109	52.874	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	436974m	48.187	ug/l	
77) Bromobenzene	11.25	156	416657	51.492	ug/l	98
78) n-propylbenzene	11.35	91	1837796	55.711	ug/l	99
79) 2-Chlorotoluene	11.42	91	1079257	53.821	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1364671	55.135	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	187870	58.475	ug/l	98
82) 4-Chlorotoluene	11.51	91	1240522	53.332	ug/l	99
83) tert-Butylbenzene	11.76	119	1357085	56.340	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1357384	54.762	ug/l	100
85) sec-Butylbenzene	11.94	105	1562765	54.958	ug/l	100
86) p-Isopropyltoluene	12.06	119	1449211	55.715	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	735116	51.836	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	721740	50.052	ug/l	99
89) n-Butylbenzene	12.39	91	1258596	56.708	ug/l	99
90) Hexachloroethane	12.59	117	260952	55.854	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	735232	51.501	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	118074	52.330	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	501922	54.093	ug/l	98
94) Hexachlorobutadiene	13.78	225	237371	53.230	ug/l	98
95) Naphthalene	13.83	128	1501462	55.076	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	494527	53.990	ug/l	98

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

