

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013516.D
 Acq On : 21 Nov 2019 20:16
 Operator : JC/SP
 Sample : K5962-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MS

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 8:43:56 AM

Quant Time: Nov 22 06:04:33 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	632516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1003415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	903638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	442119	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	360694	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
35) Dibromofluoromethane	5.49	113	298172	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
50) Toluene-d8	8.71	98	1112492	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
62) 4-Bromofluorobenzene	11.14	95	402807	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	400816	54.998	ug/l	99
3) Chloromethane	1.31	50	339813	42.997	ug/l	98
4) Vinyl Chloride	1.40	62	1892140	210.296	ug/l	100
5) Bromomethane	1.62	94	251230	40.068	ug/l	99
6) Chloroethane	1.71	64	231151	44.819	ug/l	99
7) Trichlorofluoromethane	1.92	101	456175	42.914	ug/l	100
8) Diethyl Ether	2.18	74	220961	47.006	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	338826	57.188	ug/l	99
10) Methyl Iodide	2.50	142	297811	40.599	ug/l	97
11) Tert butyl alcohol	3.04	59	448640	227.154	ug/l	99
12) 1,1-Dichloroethene	2.36	96	412870	71.160	ug/l	98
13) Acrolein	2.28	56	214961	200.819	ug/l	97
14) Allyl chloride	2.72	41	511734	48.543	ug/l	96
15) Acrylonitrile	3.13	53	966042	261.849	ug/l	99
16) Acetone	2.43	43	832944	222.854	ug/l	100
17) Carbon Disulfide	2.56	76	653911	42.108	ug/l	100
18) Methyl Acetate	2.76	43	534801	51.828	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1027231	53.083	ug/l	98
20) Methylene Chloride	2.84	84	331404	47.990	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	471803	74.685	ug/l	98
22) Diisopropyl ether	3.84	45	1082332	53.179	ug/l	98
23) Vinyl Acetate	3.80	43	4227552	242.747	ug/l	100
24) 1,1-Dichloroethane	3.69	63	576583	50.643	ug/l	99
25) 2-Butanone	4.66	43	1325974	241.827	ug/l	100
26) 2,2-Dichloropropane	4.58	77	409958	45.263	ug/l #	1
27) cis-1,2-Dichloroethene	4.59	96	21174958	2992.222	ug/l	85
28) Bromochloromethane	5.01	49	155415	48.077	ug/l	95
29) Tetrahydrofuran	5.11	42	885488	262.060	ug/l	100
30) Chloroform	5.20	83	569722	50.677	ug/l	96
31) Cyclohexane	5.57	56	471274	46.001	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	475831	49.181	ug/l	99
36) 1,1-Dichloropropene	5.79	75	407495	47.339	ug/l	99
37) Ethyl Acetate	4.82	43	485706	45.663	ug/l #	81
38) Carbon Tetrachloride	5.78	117	400910	47.627	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	458727	42.768	ug/l	99
40) Benzene	6.14	78	1298766	48.436	ug/l	98
41) Methacrylonitrile	5.03	41	292888	49.127	ug/l	99
42) 1,2-Dichloroethane	6.19	62	465872	48.168	ug/l	99
43) Isopropyl Acetate	6.44	43	822855	49.680	ug/l	99
44) Trichloroethene	7.21	130	21528972	2916.843	ug/l	92
45) 1,2-Dichloropropane	7.51	63	340272	49.805	ug/l	98
46) Dibromomethane	7.65	93	221813	47.551	ug/l	97
47) Bromodichloromethane	7.89	83	445524	50.649	ug/l	99
48) Methyl methacrylate	7.76	41	424170	51.303	ug/l	97
49) 1,4-Dioxane	7.73	88	164130	866.827	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2705472	248.965	ug/l	99
52) Toluene	8.78	92	806169	48.509	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	488906	50.829	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	539106	50.105	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	347269	50.413	ug/l	99
56) Ethyl methacrylate	9.17	69	559929	47.688	ug/l	98
57) 1,3-Dichloropropane	9.37	76	586245	50.135	ug/l	100
59) 2-Hexanone	9.48	43	2069077	246.387	ug/l	98
60) Dibromochloromethane	9.58	129	369609	52.464	ug/l	99
61) 1,2-Dibromoethane	9.67	107	364766	49.868	ug/l	99
64) Tetrachloroethene	9.33	164	297360	45.968	ug/l	99
65) Chlorobenzene	10.14	112	896086	48.981	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	341915	50.901	ug/l	100
67) Ethyl Benzene	10.25	91	1547912	49.024	ug/l	100
68) m/p-Xylenes	10.36	106	1171996	98.147	ug/l	99
69) o-Xylene	10.70	106	579997	49.611	ug/l	98
70) Stvrene	10.71	104	997055	51.020	ug/l	98
71) Bromoform	10.85	173	287902	46.467	ug/l	100
73) Isopropylbenzene	11.01	105	1517218	51.759	ug/l	100
74) N-amyl acetate	10.89	43	710163	52.244	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	565623	52.892	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	443439m	49.381	ug/l	
77) Bromobenzene	11.25	156	402502	51.507	ug/l	99
78) n-propylbenzene	11.35	91	1682490	51.526	ug/l	100
79) 2-Chlorotoluene	11.42	91	1007100	51.191	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1257939	51.520	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	176945	50.718	ug/l	97
82) 4-Chlorotoluene	11.51	91	1143912	49.671	ug/l	99
83) tert-Butylbenzene	11.76	119	1306711	53.165	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1262976	51.565	ug/l	98
85) sec-Butylbenzene	11.94	105	1446894	51.221	ug/l	100
86) p-Isopropyltoluene	12.06	119	1329147	51.099	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	685013	49.177	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	694372	48.927	ug/l	99
89) n-Butylbenzene	12.39	91	1095932	48.286	ug/l	100
90) Hexachloroethane	12.59	117	243892	52.626	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	704522	50.598	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	123164	47.273	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	459896	47.351	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	209292	44.046	ug/l	99
95) Naphthalene	13.83	128	1504264	49.364	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	476103	48.879	ug/l	98

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

