

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013517.D
 Acq On : 21 Nov 2019 20:40
 Operator : JC/SP
 Sample : K5962-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120MSD

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 8:44:02 AM

Quant Time: Nov 22 06:08:38 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	640743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	988241	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	900414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	442941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	363052	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
35) Dibromofluoromethane	5.49	113	303641	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.71	98	1126961	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	11.14	95	405377	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	418984	56.752	ug/l	99
3) Chloromethane	1.31	50	349013	43.594	ug/l	100
4) Vinyl Chloride	1.40	62	1906998	209.226	ug/l	100
5) Bromomethane	1.62	94	279890	44.066	ug/l	98
6) Chloroethane	1.70	64	232607	44.514	ug/l	100
7) Trichlorofluoromethane	1.92	101	468405	43.498	ug/l	97
8) Diethyl Ether	2.18	74	225049	47.261	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	363712	60.600	ug/l	98
10) Methyl Iodide	2.50	142	313695	42.215	ug/l	97
11) Tert butyl alcohol	3.04	59	468417	234.122	ug/l	100
12) 1,1-Dichloroethene	2.36	96	420385	71.525	ug/l	99
13) Acrolein	2.28	56	223282	205.914	ug/l	98
14) Allyl chloride	2.72	41	522383	48.917	ug/l	95
15) Acrylonitrile	3.13	53	985722	263.753	ug/l	99
16) Acetone	2.44	43	851501	224.893	ug/l	96
17) Carbon Disulfide	2.56	76	682917	43.412	ug/l	100
18) Methyl Acetate	2.76	43	546859	52.316	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1042011	53.155	ug/l	98
20) Methylene Chloride	2.84	84	337406	48.231	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	478300	74.741	ug/l	99
22) Diisopropyl ether	3.84	45	1089534	52.846	ug/l	98
23) Vinyl Acetate	3.80	43	4268395	241.945	ug/l	100
24) 1,1-Dichloroethane	3.69	63	592955	51.412	ug/l	99
25) 2-Butanone	4.66	43	1360357	244.912	ug/l	98
26) 2,2-Dichloropropane	4.58	77	412073	44.912	ug/l #	1
27) cis-1,2-Dichloroethene	4.59	96	21202129	2957.593	ug/l	85
28) Bromochloromethane	5.01	49	148311	45.290	ug/l	98
29) Tetrahydrofuran	5.11	42	898865	262.604	ug/l	100
30) Chloroform	5.20	83	577613	50.719	ug/l	98
31) Cyclohexane	5.57	56	484245	46.661	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	489953	49.991	ug/l	99
36) 1,1-Dichloropropene	5.79	75	418800	49.399	ug/l	99
37) Ethyl Acetate	4.83	43	491259	46.895	ug/l #	81
38) Carbon Tetrachloride	5.78	117	411612	49.650	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	484169	45.834	ug/l	99
40) Benzene	6.14	78	1320173	49.991	ug/l	100
41) Methacrylonitrile	5.03	41	296994	50.581	ug/l	98
42) 1,2-Dichloroethane	6.18	62	474563	49.819	ug/l	99
43) Isopropyl Acetate	6.43	43	835356	51.209	ug/l	99
44) Trichloroethene	7.21	130	21690846	2983.898	ug/l	92
45) 1,2-Dichloropropane	7.51	63	342587	50.914	ug/l	100
46) Dibromomethane	7.65	93	227100	49.432	ug/l	98
47) Bromodichloromethane	7.89	83	458712	52.949	ug/l	97
48) Methyl methacrylate	7.76	41	425263	52.225	ug/l	97
49) 1,4-Dioxane	7.73	88	170136	912.344	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2763827	258.240	ug/l	99
52) Toluene	8.78	92	826152	50.474	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	508738	53.703	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	549426	51.848	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	355360	52.380	ug/l	100
56) Ethyl methacrylate	9.17	69	575148	49.669	ug/l	97
57) 1,3-Dichloropropane	9.37	76	597741	51.903	ug/l	100
59) 2-Hexanone	9.49	43	2129725	257.503	ug/l	98
60) Dibromochloromethane	9.58	129	377845	54.457	ug/l	97
61) 1,2-Dibromoethane	9.67	107	365577	50.746	ug/l	98
64) Tetrachloroethene	9.33	164	305187	47.347	ug/l	96
65) Chlorobenzene	10.14	112	909056	49.868	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	347928	51.981	ug/l	99
67) Ethyl Benzene	10.25	91	1579896	50.216	ug/l	99
68) m/p-Xylenes	10.36	106	1198607	100.735	ug/l	99
69) o-Xylene	10.70	106	588127	50.487	ug/l	99
70) Stvrene	10.71	104	1011338	51.936	ug/l	99
71) Bromoform	10.85	173	295629	47.787	ug/l #	99
73) Isopropylbenzene	11.01	105	1561551	53.173	ug/l	100
74) N-amyl acetate	10.89	43	713375	52.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	580448	54.178	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	443387m	49.283	ug/l	
77) Bromobenzene	11.25	156	415851	53.117	ug/l	98
78) n-propylbenzene	11.35	91	1732090	52.947	ug/l	99
79) 2-Chlorotoluene	11.42	91	1043887	52.962	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1298534	53.084	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	183166	52.404	ug/l	96
82) 4-Chlorotoluene	11.51	91	1199172	51.974	ug/l	99
83) tert-Butylbenzene	11.77	119	1343666	54.567	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1290023	52.571	ug/l	98
85) sec-Butylbenzene	11.94	105	1499850	52.997	ug/l	99
86) p-Isopropyltoluene	12.06	119	1377621	52.864	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	718364	51.476	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	710899	49.998	ug/l	100
89) n-Butylbenzene	12.39	91	1151565	50.643	ug/l	100
90) Hexachloroethane	12.59	117	254054	54.717	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	734599	52.660	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	128662	49.292	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	483581	49.697	ug/l	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	220453	46.308	ug/l	99
95) Naphthalene	13.83	128	1561628	51.151	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	489556	50.167	ug/l	99

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

