

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010280.D
 Acq On : 13 Jun 2019 18:09
 Operator : JC/SP
 Sample : VX0613WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:17:46 AM

Quant Time: Jun 14 04:14:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	318013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	470048	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	425294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213176	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	153301	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	5.50	113	151394	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	8.71	98	567532	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	11.13	95	204023	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	58879	20.122	ug/l	100
3) Chloromethane	1.33	50	52698	18.134	ug/l	97
4) Vinyl Chloride	1.40	62	58636	21.469	ug/l	100
5) Bromomethane	1.64	94	23612	22.910	ug/l	92
6) Chloroethane	1.72	64	33871	24.597	ug/l	99
7) Trichlorofluoromethane	1.93	101	94904	23.392	ug/l	99
8) Diethyl Ether	2.19	74	32944	23.559	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.38	101	55406	19.812	ug/l	92
10) Methyl Iodide	2.51	142	50413	11.635	ug/l	98
11) Tert butyl alcohol	3.04	59	87714	115.347	ug/l	98
12) 1,1-Dichloroethene	2.37	96	54823	19.193	ug/l #	79
13) Acrolein	2.29	56	10746	77.500	ug/l	94
14) Allyl chloride	2.73	41	80230	18.607	ug/l #	87
15) Acrylonitrile	3.14	53	161746	104.063	ug/l	99
16) Acetone	2.45	43	148825	101.934	ug/l #	85
17) Carbon Disulfide	2.57	76	135303	16.393	ug/l	99
18) Methyl Acetate	2.78	43	68461	21.322	ug/l #	84
19) Methyl tert-butyl Ether	3.20	73	179656	19.577	ug/l	95
20) Methylene Chloride	2.85	84	62700	19.554	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	57792	18.282	ug/l #	75
22) Diisopropyl ether	3.86	45	165885	20.123	ug/l #	81
23) Vinyl Acetate	3.82	43	730943	99.390	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	96864	19.352	ug/l #	96
25) 2-Butanone	4.68	43	226796	104.317	ug/l #	81
26) 2,2-Dichloropropane	4.59	77	84354	18.473	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	69749	19.834	ug/l	78
28) Bromochloromethane	5.02	49	42601	18.991	ug/l #	51
29) Tetrahydrofuran	5.13	42	143084	104.722	ug/l #	76
30) Chloroform	5.21	83	101782	19.580	ug/l	99
31) Cyclohexane	5.58	56	86485	19.145	ug/l #	73
32) 1,1,1-Trichloroethane	5.49	97	92250	18.877	ug/l	94
36) 1,1-Dichloropropene	5.80	75	72930	19.018	ug/l	92
37) Ethyl Acetate	4.83	43	81919	20.531	ug/l #	92
38) Carbon Tetrachloride	5.79	117	82608	19.031	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	98153	18.796	ug/l #	82
40) Benzene	6.14	78	235210	19.835	ug/l	97
41) Methacrylonitrile	5.04	41	43837	20.310	ug/l #	82
42) 1,2-Dichloroethane	6.20	62	72828	19.238	ug/l	92
43) Isopropyl Acetate	6.45	43	134390	20.144	ug/l #	90
44) Trichloroethene	7.21	130	70807	19.809	ug/l	87
45) 1,2-Dichloropropane	7.51	63	59936	20.194	ug/l	100
46) Dibromomethane	7.66	93	43130	19.397	ug/l	90
47) Bromodichloromethane	7.90	83	79218	19.066	ug/l #	99
48) Methyl methacrylate	7.77	41	61886	19.835	ug/l #	77
49) 1,4-Dioxane	7.74	88	35194	395.637	ug/l #	81
51) 4-Methyl-2-Pentanone	8.64	43	432139	108.428	ug/l	90
52) Toluene	8.79	92	154700	19.846	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	88330	18.379	ug/l	93
54) cis-1,3-Dichloropropene	8.43	75	97509	18.926	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	66574	20.854	ug/l	97
56) Ethyl methacrylate	9.18	69	99679	19.767	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	101494	20.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	227280	95.604	ug/l #	85
59) 2-Hexanone	9.49	43	342333	107.731	ug/l	88
60) Dibromochloromethane	9.58	129	73034	19.342	ug/l	99
61) 1,2-Dibromoethane	9.67	107	70054	19.703	ug/l	99
64) Tetrachloroethene	9.33	164	65791	20.828	ug/l	93
65) Chlorobenzene	10.13	112	176441	20.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	67707	20.058	ug/l	99
67) Ethyl Benzene	10.25	91	296756	19.859	ug/l	95
68) m/p-Xylenes	10.36	106	231406	40.019	ug/l	89
69) o-Xylene	10.69	106	114429	19.908	ug/l	88
70) Styrene	10.71	104	193532	19.880	ug/l	94
71) Bromoform	10.85	173	57339	18.477	ug/l #	99
73) Isopropylbenzene	11.02	105	302036	20.297	ug/l	96
74) N-amyl acetate	10.90	43	117627	19.996	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	104713	20.556	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	97547m	22.877	ug/l	
77) Bromobenzene	11.26	156	83628	20.436	ug/l	79
78) n-propylbenzene	11.36	91	327147	19.747	ug/l	93
79) 2-Chlorotoluene	11.42	91	196114	19.710	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	246952	19.703	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	34812	18.038	ug/l	85
82) 4-Chlorotoluene	11.51	91	222223	19.661	ug/l	91
83) tert-Butylbenzene	11.77	119	260306	20.519	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	250624	19.796	ug/l	96
85) sec-Butylbenzene	11.94	105	297689	20.142	ug/l	96
86) p-Isopropyltoluene	12.06	119	269922	19.977	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	144147	19.998	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	145398	20.010	ug/l	98
89) n-Butylbenzene	12.38	91	228044	19.608	ug/l	96
90) Hexachloroethane	12.60	117	48118	17.878	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	145193	20.719	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21514	17.948	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	103383	20.155	ug/l	99
94) Hexachlorobutadiene	13.78	225	47726	20.921	ug/l	99
95) Naphthalene	13.83	128	328658	20.354	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	102257	20.162	ug/l	99

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

