

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX009975.D
 Acq On : 31 May 2019 10:51
 Operator : JC/SP
 Sample : VX0531WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:47:19 AM

Quant Time: May 31 12:29:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 28 13:02:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	167912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	257834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	105569	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
35) Dibromofluoromethane	5.49	113	76779	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	8.71	98	314884	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	11.13	95	115347	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	46110	22.472	ug/l	99
3) Chloromethane	1.33	50	54821	19.874	ug/l	99
4) Vinyl Chloride	1.41	62	49021	19.714	ug/l	99
5) Bromomethane	1.64	94	26967	17.899	ug/l	96
6) Chloroethane	1.72	64	27473	17.948	ug/l	98
7) Trichlorofluoromethane	1.93	101	55080	20.045	ug/l	99
8) Diethyl Ether	2.18	74	23307	18.049	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33901	20.435	ug/l	98
10) Methyl Iodide	2.51	142	29636	17.739	ug/l	98
11) Tert butyl alcohol	3.04	59	53875	92.295	ug/l	99
12) 1,1-Dichloroethene	2.37	96	32643	19.196	ug/l	99
13) Acrolein	2.29	56	31034	89.772	ug/l	97
14) Allyl chloride	2.73	41	81363	19.686	ug/l	98
15) Acrylonitrile	3.14	53	132349	94.100	ug/l	99
16) Acetone	2.44	43	138294	100.913	ug/l	97
17) Carbon Disulfide	2.57	76	97873	19.246	ug/l	99
18) Methyl Acetate	2.77	43	61778	19.373	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	123142	19.181	ug/l	98
20) Methylene Chloride	2.85	84	39813	18.971	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	35056	18.528	ug/l	96
22) Diisopropyl ether	3.85	45	156450	19.895	ug/l	98
23) Vinyl Acetate	3.81	43	698353	98.854	ug/l	97
24) 1,1-Dichloroethane	3.70	63	74810	19.630	ug/l	99
25) 2-Butanone	4.67	43	208825	97.805	ug/l	95
26) 2,2-Dichloropropane	4.58	77	55626	19.295	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	40867	18.711	ug/l	96
28) Bromochloromethane	5.01	49	35434	17.917	ug/l	96
29) Tetrahydrofuran	5.13	42	132340	96.658	ug/l	97
30) Chloroform	5.21	83	67095	19.521	ug/l	99
31) Cyclohexane	5.58	56	73245	20.292	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	55665	19.887	ug/l	98
36) 1,1-Dichloropropene	5.79	75	50989	19.491	ug/l	99
37) Ethyl Acetate	4.83	43	75737	20.778	ug/l	99
38) Carbon Tetrachloride	5.78	117	46554	20.594	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	64648	20.834	ug/l	97
40) Benzene	6.14	78	154602	19.922	ug/l	98
41) Methacrylonitrile	5.04	41	43038	20.206	ug/l	98
42) 1,2-Dichloroethane	6.19	62	57399	20.007	ug/l	99
43) Isopropyl Acetate	6.44	43	111007	18.874	ug/l	100
44) Trichloroethene	7.21	130	37089	19.676	ug/l	96
45) 1,2-Dichloropropane	7.51	63	43492	19.469	ug/l	100
46) Dibromomethane	7.66	93	25434	19.342	ug/l	99
47) Bromodichloromethane	7.90	83	50420	20.164	ug/l	98
48) Methyl methacrylate	7.77	41	56428	19.381	ug/l	97
49) 1,4-Dioxane	7.74	88	20892	385.761	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	376152	98.314	ug/l	98
52) Toluene	8.78	92	96932	20.572	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	57916	19.313	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	63686	19.491	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	37817	19.941	ug/l	98
56) Ethyl methacrylate	9.18	69	66792	19.783	ug/l	94
57) 1,3-Dichloropropane	9.37	76	67200	19.731	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	166331	93.950	ug/l	99
59) 2-Hexanone	9.49	43	302782	102.789	ug/l	97
60) Dibromochloromethane	9.58	129	37475	20.088	ug/l	99
61) 1,2-Dibromoethane	9.67	107	38774	19.901	ug/l	100
64) Tetrachloroethene	9.34	164	34896	21.074	ug/l	98
65) Chlorobenzene	10.13	112	100882	20.327	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	35027	20.349	ug/l	100
67) Ethyl Benzene	10.25	91	185912	20.863	ug/l	100
68) m/p-Xylenes	10.36	106	134160	40.753	ug/l	96
69) o-Xylene	10.69	106	65165	20.640	ug/l	99
70) Styrene	10.71	104	114098	20.610	ug/l	99
71) Bromoform	10.85	173	28148	20.005	ug/l #	100
73) Isopropylbenzene	11.02	105	176094	20.331	ug/l	99
74) N-amyl acetate	10.90	43	105073	20.302	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	64748	20.038	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	57248m	17.227	ug/l	
77) Bromobenzene	11.25	156	42636	19.316	ug/l	98
78) n-propylbenzene	11.36	91	207267	20.761	ug/l	100
79) 2-Chlorotoluene	11.42	91	120763	19.798	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	150225	20.588	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	21215	18.698	ug/l	94
82) 4-Chlorotoluene	11.51	91	142332	20.045	ug/l	98
83) tert-Butylbenzene	11.77	119	141134	20.217	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	150734	20.341	ug/l	100
85) sec-Butylbenzene	11.94	105	172339	20.751	ug/l	99
86) p-Isopropyltoluene	12.06	119	156541	20.956	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	77320	19.676	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	77434	19.321	ug/l	98
89) n-Butylbenzene	12.38	91	146353	20.847	ug/l	100
90) Hexachloroethane	12.60	117	26380	20.578	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	77219	19.931	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14827	19.494	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	56393	20.368	ug/l	98
94) Hexachlorobutadiene	13.78	225	29292	21.093	ug/l	99
95) Naphthalene	13.83	128	170435	19.781	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	55250	19.935	ug/l	99

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

