

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009539.D
 Acq On : 13 May 2019 13:35
 Operator : JC/SP
 Sample : VX0513WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 12:15:57 PM

Quant Time: May 14 04:08:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	161028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	257651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112134	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	102770	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	5.49	113	76647	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
50) Toluene-d8	8.71	98	307762	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	11.13	95	111626	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25965	17.498	ug/l	98
3) Chloromethane	1.32	50	39601	19.547	ug/l	100
4) Vinyl Chloride	1.41	62	38873	19.677	ug/l	98
5) Bromomethane	1.64	94	24135	20.355	ug/l	98
6) Chloroethane	1.72	64	24522	19.334	ug/l	97
7) Trichlorofluoromethane	1.93	101	48878	20.354	ug/l	95
8) Diethyl Ether	2.19	74	22078	19.410	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30016	19.905	ug/l	99
10) Methyl Iodide	2.51	142	32168	21.267	ug/l	99
11) Tert butyl alcohol	3.04	59	50639	99.519	ug/l	98
12) 1,1-Dichloroethene	2.37	96	30062	19.897	ug/l	98
13) Acrolein	2.29	56	42245	91.674	ug/l	98
14) Allyl chloride	2.73	41	71434	19.400	ug/l	99
15) Acrylonitrile	3.14	53	122503	98.464	ug/l	100
16) Acetone	2.44	43	116262	98.497	ug/l	99
17) Carbon Disulfide	2.57	76	82922	19.548	ug/l	99
18) Methyl Acetate	2.78	43	52863	18.832	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	117157	19.968	ug/l	98
20) Methylene Chloride	2.85	84	36847	19.280	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	33173	20.245	ug/l	95
22) Diisopropyl ether	3.85	45	141642	20.003	ug/l	95
23) Vinyl Acetate	3.81	43	626483	103.318	ug/l	100
24) 1,1-Dichloroethane	3.70	63	68092	19.493	ug/l	99
25) 2-Butanone	4.67	43	184319	100.488	ug/l	99
26) 2,2-Dichloropropane	4.58	77	50334	19.358	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	39064	19.973	ug/l	99
28) Bromochloromethane	5.01	49	26878	17.323	ug/l #	20
29) Tetrahydrofuran	5.13	42	120527	102.113	ug/l	99
30) Chloroform	5.21	83	63291	20.033	ug/l	98
31) Cyclohexane	5.58	56	66239	20.382	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	52043	19.788	ug/l	99
36) 1,1-Dichloropropene	5.80	75	48436	20.229	ug/l	100
37) Ethyl Acetate	4.83	43	68247	20.457	ug/l	100
38) Carbon Tetrachloride	5.79	117	43539	20.014	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	60379	20.533	ug/l	98
40) Benzene	6.14	78	148838	20.086	ug/l	99
41) Methacrylonitrile	5.04	41	38831	19.554	ug/l	98
42) 1,2-Dichloroethane	6.19	62	54018	20.322	ug/l	100
43) Isopropyl Acetate	6.44	43	106350	19.930	ug/l	100
44) Trichloroethene	7.21	130	35512	19.823	ug/l	100
45) 1,2-Dichloropropane	7.51	63	42664	20.333	ug/l	97
46) Dibromomethane	7.66	93	23891	19.607	ug/l	97
47) Bromodichloromethane	7.90	83	48642	20.013	ug/l	99
48) Methyl methacrylate	7.77	41	54217	20.479	ug/l	98
49) 1,4-Dioxane	7.74	88	21562	401.603	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	351988	100.917	ug/l	100
52) Toluene	8.78	92	92081	20.442	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	53189	19.383	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	60602	19.952	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	36808	20.029	ug/l	99
56) Ethyl methacrylate	9.18	69	65359	19.924	ug/l	98
57) 1,3-Dichloropropane	9.37	76	65265	20.182	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	158005	90.795	ug/l	100
59) 2-Hexanone	9.49	43	275740	100.659	ug/l	99
60) Dibromochloromethane	9.58	129	35296	19.665	ug/l	97
61) 1,2-Dibromoethane	9.67	107	37950	20.458	ug/l	98
64) Tetrachloroethene	9.34	164	33151	20.848	ug/l	98
65) Chlorobenzene	10.14	112	94051	20.281	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33899	20.163	ug/l	99
67) Ethyl Benzene	10.25	91	172620	20.226	ug/l	100
68) m/p-Xylenes	10.36	106	127453	40.866	ug/l	99
69) o-Xylene	10.69	106	62191	20.211	ug/l	99
70) Styrene	10.71	104	108341	20.257	ug/l	100
71) Bromoform	10.85	173	26690	19.535	ug/l #	100
73) Isopropylbenzene	11.02	105	167447	20.535	ug/l	100
74) N-amyl acetate	10.90	43	94188	19.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	60493	19.900	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	52057m	20.013	ug/l	
77) Bromobenzene	11.26	156	41093	20.304	ug/l	98
78) n-propylbenzene	11.36	91	190438	20.450	ug/l	100
79) 2-Chlorotoluene	11.42	91	114438	19.918	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	141103	20.551	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19477	19.159	ug/l	96
82) 4-Chlorotoluene	11.51	91	130560	20.115	ug/l	100
83) tert-Butylbenzene	11.77	119	135848	20.339	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	141044	20.466	ug/l	100
85) sec-Butylbenzene	11.94	105	159221	20.107	ug/l	100
86) p-Isopropyltoluene	12.06	119	144633	20.317	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	71571	19.837	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	73381	20.173	ug/l	98
89) n-Butylbenzene	12.38	91	128219	19.928	ug/l	100
90) Hexachloroethane	12.60	117	24039	19.821	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	73172	19.911	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13747	20.160	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51079	20.326	ug/l	98
94) Hexachlorobutadiene	13.78	225	26420	20.587	ug/l	100
95) Naphthalene	13.83	128	166475	20.362	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52811	20.732	ug/l	100

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

