

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051419\
 Data File : VX009556.D
 Acq On : 14 May 2019 12:17
 Operator : JC/SP
 Sample : VX0514WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 12:25:15 PM

Quant Time: May 15 08:22:48 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	161152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	245459	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110204	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	5.49	113	81934	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	8.71	98	331740	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	11.13	95	123245	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	26193	17.638	ug/l	99
3) Chloromethane	1.32	50	38872	19.173	ug/l	99
4) Vinyl Chloride	1.41	62	37892	19.166	ug/l	100
5) Bromomethane	1.64	94	23242	19.586	ug/l	98
6) Chloroethane	1.72	64	24076	18.968	ug/l	93
7) Trichlorofluoromethane	1.93	101	47575	19.797	ug/l	97
8) Diethyl Ether	2.18	74	22033	19.355	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30251	20.045	ug/l	97
10) Methyl Iodide	2.51	142	31400	20.856	ug/l	98
11) Tert butyl alcohol	3.04	59	41542	81.579	ug/l	98
12) 1,1-Dichloroethene	2.37	96	29154	19.281	ug/l	99
13) Acrolein	2.29	56	32465	70.397	ug/l	100
14) Allyl chloride	2.73	41	68469	18.581	ug/l	99
15) Acrylonitrile	3.14	53	112453	90.317	ug/l	99
16) Acetone	2.44	43	111062	94.019	ug/l	97
17) Carbon Disulfide	2.57	76	80393	18.937	ug/l	99
18) Methyl Acetate	2.77	43	50015	17.803	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	112526	19.164	ug/l	100
20) Methylene Chloride	2.85	84	36001	18.823	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	31814	19.401	ug/l	98
22) Diisopropyl ether	3.85	45	136867	19.314	ug/l	93
23) Vinyl Acetate	3.81	43	593777	97.849	ug/l	99
24) 1,1-Dichloroethane	3.70	63	65815	18.826	ug/l	99
25) 2-Butanone	4.67	43	167488	91.241	ug/l	99
26) 2,2-Dichloropropane	4.58	77	50129	19.265	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	38013	19.421	ug/l	99
28) Bromochloromethane	5.01	49	25232	16.070	ug/l	100
29) Tetrahydrofuran	5.12	42	108528	91.877	ug/l	100
30) Chloroform	5.20	83	61334	19.398	ug/l	100
31) Cyclohexane	5.57	56	65229	20.055	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	51115	19.420	ug/l	99
36) 1,1-Dichloropropene	5.80	75	46011	20.171	ug/l	98
37) Ethyl Acetate	4.82	43	61626	19.390	ug/l	99
38) Carbon Tetrachloride	5.79	117	42403	20.460	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	60356	21.545	ug/l	99
40) Benzene	6.14	78	144872	20.521	ug/l	98
41) Methacrylonitrile	5.04	41	36125	19.095	ug/l	99
42) 1,2-Dichloroethane	6.19	62	52218	20.620	ug/l	100
43) Isopropyl Acetate	6.43	43	99183	19.510	ug/l	99
44) Trichloroethene	7.21	130	35229	20.642	ug/l	93
45) 1,2-Dichloropropane	7.51	63	40295	20.158	ug/l	99
46) Dibromomethane	7.66	93	23584	20.317	ug/l	99
47) Bromodichloromethane	7.90	83	46718	20.176	ug/l	99
48) Methyl methacrylate	7.77	41	49834	19.758	ug/l	100
49) 1,4-Dioxane	7.73	88	17838	348.744	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	325514	97.963	ug/l	100
52) Toluene	8.78	92	89972	20.966	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	53500	20.465	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	59658	20.617	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	35977	20.550	ug/l	97
56) Ethyl methacrylate	9.18	69	62084	19.866	ug/l	98
57) 1,3-Dichloropropane	9.37	76	62950	20.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	137579	82.984	ug/l	100
59) 2-Hexanone	9.49	43	252142	96.617	ug/l	99
60) Dibromochloromethane	9.58	129	34332	20.078	ug/l	97
61) 1,2-Dibromoethane	9.67	107	36049	20.398	ug/l	99
64) Tetrachloroethene	9.33	164	32130	20.888	ug/l	98
65) Chlorobenzene	10.13	112	92807	20.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	32694	20.103	ug/l	100
67) Ethyl Benzene	10.25	91	171365	20.757	ug/l	98
68) m/p-Xylenes	10.35	106	124663	41.321	ug/l	97
69) o-Xylene	10.69	106	60460	20.311	ug/l	98
70) Styrene	10.71	104	105206	20.335	ug/l	99
71) Bromoform	10.85	173	25590	19.362	ug/l #	99
73) Isopropylbenzene	11.02	105	165214	20.281	ug/l	99
74) N-amyl acetate	10.90	43	88499	18.634	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	58058	19.118	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	50968m	19.614	ug/l	
77) Bromobenzene	11.26	156	40318	19.940	ug/l	99
78) n-propylbenzene	11.36	91	189905	20.412	ug/l	100
79) 2-Chlorotoluene	11.42	91	114267	19.908	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	139898	20.396	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18684	18.397	ug/l	94
82) 4-Chlorotoluene	11.51	91	131275	20.245	ug/l	99
83) tert-Butylbenzene	11.77	119	133779	20.049	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	141378	20.535	ug/l	99
85) sec-Butylbenzene	11.94	105	161846	20.459	ug/l	99
86) p-Isopropyltoluene	12.06	119	146431	20.590	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	73143	20.292	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	73553	20.240	ug/l	99
89) n-Butylbenzene	12.38	91	133439	20.759	ug/l	99
90) Hexachloroethane	12.60	117	23520	19.412	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	72874	19.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12242	17.970	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51941	20.689	ug/l	99
94) Hexachlorobutadiene	13.78	225	26928	21.004	ug/l	99
95) Naphthalene	13.83	128	160974	19.708	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	53011	20.831	ug/l	100

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

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