

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052019\
 Data File : VX009721.D
 Acq On : 20 May 2019 13:18
 Operator : JC/SP
 Sample : VX0520WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 9:13:29 AM

Quant Time: May 21 07:52:23 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	154001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	243622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98772	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
35) Dibromofluoromethane	5.49	113	73335	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	8.71	98	287477	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
62) 4-Bromofluorobenzene	11.13	95	106050	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	22499	15.854	ug/l	97
3) Chloromethane	1.32	50	36915	19.053	ug/l	98
4) Vinyl Chloride	1.41	62	35246	18.656	ug/l	99
5) Bromomethane	1.64	94	22676	19.997	ug/l	97
6) Chloroethane	1.72	64	23573	19.434	ug/l	98
7) Trichlorofluoromethane	1.93	101	45704	19.901	ug/l	97
8) Diethyl Ether	2.19	74	21719	19.965	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	28110	19.492	ug/l	97
10) Methyl Iodide	2.51	142	28368	19.968	ug/l	100
11) Tert butyl alcohol	3.05	59	54251	111.483	ug/l	97
12) 1,1-Dichloroethene	2.37	96	28198	19.515	ug/l	96
13) Acrolein	2.29	56	40230	91.285	ug/l	99
14) Allyl chloride	2.73	41	69857	19.838	ug/l	99
15) Acrylonitrile	3.14	53	126806	106.573	ug/l	99
16) Acetone	2.45	43	117481	104.071	ug/l	98
17) Carbon Disulfide	2.57	76	70221	17.309	ug/l	99
18) Methyl Acetate	2.78	43	57846	21.547	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	114449	20.397	ug/l	99
20) Methylene Chloride	2.85	84	36077	19.738	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	30221	19.285	ug/l	98
22) Diisopropyl ether	3.85	45	141953	20.962	ug/l	93
23) Vinyl Acetate	3.81	43	625850	107.924	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67664	20.254	ug/l	100
25) 2-Butanone	4.67	43	192586	109.786	ug/l	100
26) 2,2-Dichloropropane	4.59	77	47783	19.216	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	37094	19.831	ug/l	99
28) Bromochloromethane	5.02	49	29348	20.189	ug/l	97
29) Tetrahydrofuran	5.13	42	125385	111.076	ug/l	99
30) Chloroform	5.21	83	62847	20.800	ug/l	97
31) Cyclohexane	5.58	56	59301	19.079	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	50490	20.073	ug/l	98
36) 1,1-Dichloropropene	5.80	75	43959	19.416	ug/l	98
37) Ethyl Acetate	4.84	43	69090	21.902	ug/l	99
38) Carbon Tetrachloride	5.79	117	41154	20.007	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54094	19.455	ug/l	98
40) Benzene	6.14	78	142018	20.269	ug/l	98
41) Methacrylonitrile	5.05	41	40248	21.434	ug/l	99
42) 1,2-Dichloroethane	6.19	62	53116	21.133	ug/l	99
43) Isopropyl Acetate	6.45	43	110235	21.847	ug/l	99
44) Trichloroethene	7.21	130	33440	19.742	ug/l	96
45) 1,2-Dichloropropane	7.51	63	41232	20.782	ug/l	98
46) Dibromomethane	7.66	93	23850	20.701	ug/l	99
47) Bromodichloromethane	7.90	83	48862	21.261	ug/l	97
48) Methyl methacrylate	7.77	41	55036	21.985	ug/l	98
49) 1,4-Dioxane	7.74	88	21683	427.113	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	375184	113.762	ug/l	99
52) Toluene	8.78	92	87802	20.615	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	53411	20.585	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	59466	20.706	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	37091	21.346	ug/l	97
56) Ethyl methacrylate	9.18	69	65912	21.250	ug/l	97
57) 1,3-Dichloropropane	9.37	76	64024	20.938	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	138791	84.347	ug/l	100
59) 2-Hexanone	9.49	43	293662	113.375	ug/l	98
60) Dibromochloromethane	9.58	129	35885	21.145	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36875	21.023	ug/l	100
64) Tetrachloroethene	9.34	164	30861	20.197	ug/l	99
65) Chlorobenzene	10.13	112	90732	20.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33273	20.596	ug/l	100
67) Ethyl Benzene	10.25	91	165492	20.179	ug/l	99
68) m/p-Xylenes	10.36	106	121344	40.490	ug/l	99
69) o-Xylene	10.69	106	60188	20.355	ug/l	99
70) Styrene	10.71	104	102697	19.983	ug/l	97
71) Bromoform	10.85	173	27000	20.566	ug/l #	99
73) Isopropylbenzene	11.02	105	160674	20.384	ug/l	99
74) N-amyl acetate	10.90	43	96115	20.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	62930	21.416	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	54210m	21.560	ug/l	
77) Bromobenzene	11.26	156	39607	20.244	ug/l	98
78) n-propylbenzene	11.36	91	182792	20.306	ug/l	100
79) 2-Chlorotoluene	11.42	91	111025	19.991	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	135895	20.475	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20200	20.556	ug/l	96
82) 4-Chlorotoluene	11.51	91	125599	20.018	ug/l	100
83) tert-Butylbenzene	11.77	119	132096	20.460	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	135599	20.355	ug/l	100
85) sec-Butylbenzene	11.94	105	153975	20.115	ug/l	100
86) p-Isopropyltoluene	12.06	119	140279	20.385	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	70656	20.259	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	70802	20.136	ug/l	99
89) n-Butylbenzene	12.38	91	123484	19.854	ug/l	100
90) Hexachloroethane	12.60	117	23684	20.202	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	72020	20.274	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14374	21.806	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	49389	20.331	ug/l	98
94) Hexachlorobutadiene	13.78	225	25142	20.267	ug/l	98
95) Naphthalene	13.83	128	161375	20.419	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	50360	20.451	ug/l	100

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

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