

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009486.D
 Acq On : 10 May 2019 17:19
 Operator : JC/SP
 Sample : VX0510WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:52:56 AM

Quant Time: May 11 03:42:08 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	165797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	256909	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114651	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	111802	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	5.49	113	82814	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	8.71	98	333388	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	121099	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	29700	19.439	ug/l	99
3) Chloromethane	1.32	50	42382	20.318	ug/l	97
4) Vinyl Chloride	1.40	62	42414	20.852	ug/l	99
5) Bromomethane	1.64	94	25369	20.780	ug/l	98
6) Chloroethane	1.72	64	26857	20.566	ug/l	96
7) Trichlorofluoromethane	1.93	101	53580	21.671	ug/l	97
8) Diethyl Ether	2.18	74	24585	20.992	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33395	21.509	ug/l	100
10) Methyl Iodide	2.51	142	34419	21.920	ug/l	99
11) Tert butyl alcohol	3.04	59	50992	97.331	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32764	21.061	ug/l	94
13) Acrolein	2.29	56	39134	82.480	ug/l	99
14) Allyl chloride	2.73	41	77397	20.415	ug/l	100
15) Acrylonitrile	3.14	53	128443	100.269	ug/l	99
16) Acetone	2.44	43	129573	106.617	ug/l	98
17) Carbon Disulfide	2.57	76	91749	21.007	ug/l	98
18) Methyl Acetate	2.77	43	55395	19.166	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	124932	20.681	ug/l	100
20) Methylene Chloride	2.85	84	39763	20.207	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	35801	21.220	ug/l	98
22) Diisopropyl ether	3.85	45	150158	20.596	ug/l #	87
23) Vinyl Acetate	3.81	43	669527	107.241	ug/l	100
24) 1,1-Dichloroethane	3.70	63	74183	20.626	ug/l	100
25) 2-Butanone	4.67	43	196974	104.298	ug/l	99
26) 2,2-Dichloropropane	4.58	77	54978	20.536	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	41683	20.699	ug/l	100
28) Bromochloromethane	5.01	49	25920	16.041	ug/l	100
29) Tetrahydrofuran	5.12	42	125070	102.914	ug/l	99
30) Chloroform	5.21	83	69093	21.240	ug/l	99
31) Cyclohexane	5.58	56	72091	21.544	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	56095	20.715	ug/l	99
36) 1,1-Dichloropropene	5.80	75	51850	21.717	ug/l	99
37) Ethyl Acetate	4.83	43	71755	21.571	ug/l	100
38) Carbon Tetrachloride	5.78	117	46471	21.423	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	68219	23.267	ug/l	98
40) Benzene	6.14	78	160244	21.687	ug/l	99
41) Methacrylonitrile	5.04	41	40677	20.542	ug/l	97
42) 1,2-Dichloroethane	6.19	62	57742	21.785	ug/l	99
43) Isopropyl Acetate	6.44	43	113276	21.289	ug/l	100
44) Trichloroethene	7.21	130	38254	21.416	ug/l	99
45) 1,2-Dichloropropane	7.51	63	45590	21.790	ug/l	98
46) Dibromomethane	7.66	93	26009	21.407	ug/l	100
47) Bromodichloromethane	7.90	83	51234	21.140	ug/l	98
48) Methyl methacrylate	7.77	41	57378	21.736	ug/l	98
49) 1,4-Dioxane	7.74	88	22176	414.232	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	371691	106.874	ug/l	100
52) Toluene	8.78	92	97932	21.804	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57605	21.053	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	65289	21.558	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	39264	21.428	ug/l	97
56) Ethyl methacrylate	9.18	69	69966	21.390	ug/l	99
57) 1,3-Dichloropropane	9.37	76	69209	21.463	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	166645	96.037	ug/l	99
59) 2-Hexanone	9.49	43	292196	106.975	ug/l	98
60) Dibromochloromethane	9.58	129	38541	21.535	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40109	21.684	ug/l	99
64) Tetrachloroethene	9.33	164	35399	22.343	ug/l	98
65) Chlorobenzene	10.13	112	100293	21.707	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	36269	21.652	ug/l	99
67) Ethyl Benzene	10.25	91	187887	22.096	ug/l	99
68) m/p-Xylenes	10.36	106	139481	44.888	ug/l	100
69) o-Xylene	10.69	106	68392	22.308	ug/l	96
70) Styrene	10.71	104	116486	21.860	ug/l	99
71) Bromoform	10.85	173	28170	20.694	ug/l #	99
73) Isopropylbenzene	11.02	105	183306	21.986	ug/l	99
74) N-amyl acetate	10.90	43	102574	21.103	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	64262	20.676	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	56065m	21.081	ug/l	
77) Bromobenzene	11.26	156	44115	21.318	ug/l	100
78) n-propylbenzene	11.36	91	210489	22.106	ug/l	99
79) 2-Chlorotoluene	11.42	91	124196	21.142	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	153457	21.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21076	20.277	ug/l	96
82) 4-Chlorotoluene	11.51	91	144106	21.715	ug/l	99
83) tert-Butylbenzene	11.77	119	146685	21.480	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	155782	22.108	ug/l	99
85) sec-Butylbenzene	11.94	105	178432	22.039	ug/l	99
86) p-Isopropyltoluene	12.06	119	161790	22.228	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	79561	21.567	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	79329	21.330	ug/l	98
89) n-Butylbenzene	12.38	91	145336	22.092	ug/l	100
90) Hexachloroethane	12.59	117	26011	20.976	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	79796	21.237	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14696	21.078	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	58141	22.628	ug/l	97
94) Hexachlorobutadiene	13.78	225	29249	22.292	ug/l	99
95) Naphthalene	13.83	128	185893	22.237	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	59111	22.695	ug/l	100

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

