

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051419\
 Data File : VX009559.D
 Acq On : 14 May 2019 13:26
 Operator : JC/SP
 Sample : VX0514WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 12:25:19 PM

Quant Time: May 15 08:29:58 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	163987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	257946	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112771	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	101406	45.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.60%	
35) Dibromofluoromethane	5.49	113	75588	46.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.22%	
50) Toluene-d8	8.71	98	301951	46.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.24%	
62) 4-Bromofluorobenzene	11.13	95	109181	45.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	22388	14.815	ug/l	98
3) Chloromethane	1.32	50	33863	16.413	ug/l	99
4) Vinyl Chloride	1.41	62	32893	16.350	ug/l	99
5) Bromomethane	1.64	94	20807	17.231	ug/l	100
6) Chloroethane	1.72	64	21492	16.639	ug/l	98
7) Trichlorofluoromethane	1.93	101	41739	17.068	ug/l	98
8) Diethyl Ether	2.18	74	19607	16.926	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	26093	16.991	ug/l	100
10) Methyl Iodide	2.51	142	27552	18.617	ug/l	98
11) Tert butyl alcohol	3.04	59	43699	84.331	ug/l	98
12) 1,1-Dichloroethene	2.37	96	26048	16.929	ug/l	97
13) Acrolein	2.29	56	37477	79.860	ug/l	100
14) Allyl chloride	2.73	41	61464	16.391	ug/l	100
15) Acrylonitrile	3.14	53	105474	83.247	ug/l	99
16) Acetone	2.44	43	102473	85.249	ug/l	99
17) Carbon Disulfide	2.57	76	70695	16.365	ug/l	99
18) Methyl Acetate	2.77	43	49384	17.275	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	101191	16.936	ug/l	100
20) Methylene Chloride	2.85	84	31569	16.220	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	28277	16.946	ug/l	98
22) Diisopropyl ether	3.85	45	122884	17.041	ug/l	94
23) Vinyl Acetate	3.81	43	544166	88.123	ug/l	100
24) 1,1-Dichloroethane	3.70	63	59146	16.626	ug/l	100
25) 2-Butanone	4.67	43	160305	85.819	ug/l	98
26) 2,2-Dichloropropane	4.58	77	44362	16.754	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	32701	16.418	ug/l	98
28) Bromochloromethane	5.01	49	23935	14.784	ug/l	100
29) Tetrahydrofuran	5.12	42	103730	86.297	ug/l	99
30) Chloroform	5.21	83	54834	17.043	ug/l	99
31) Cyclohexane	5.58	56	56002	16.921	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	44550	16.633	ug/l	99
36) 1,1-Dichloropropene	5.80	75	40406	16.856	ug/l	99
37) Ethyl Acetate	4.83	43	58996	17.664	ug/l	99
38) Carbon Tetrachloride	5.78	117	37359	17.153	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	50973	17.315	ug/l	98
40) Benzene	6.14	78	128744	17.354	ug/l	99
41) Methacrylonitrile	5.04	41	33405	16.802	ug/l	97
42) 1,2-Dichloroethane	6.19	62	47196	17.735	ug/l	99
43) Isopropyl Acetate	6.45	43	92645	17.342	ug/l	100
44) Trichloroethene	7.21	130	30443	16.974	ug/l	97
45) 1,2-Dichloropropane	7.51	63	36479	17.365	ug/l	98
46) Dibromomethane	7.66	93	20728	16.992	ug/l	97
47) Bromodichloromethane	7.90	83	41189	16.927	ug/l	98
48) Methyl methacrylate	7.77	41	45829	17.291	ug/l	99
49) 1,4-Dioxane	7.74	88	18533	344.792	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	306809	87.864	ug/l	100
52) Toluene	8.78	92	78269	17.356	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	47003	17.109	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	52902	17.397	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	32296	17.554	ug/l	97
56) Ethyl methacrylate	9.18	69	56387	17.169	ug/l	99
57) 1,3-Dichloropropane	9.37	76	55554	17.159	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	152237	87.381	ug/l	99
59) 2-Hexanone	9.49	43	241162	87.936	ug/l	98
60) Dibromochloromethane	9.58	129	30518	16.984	ug/l	99
61) 1,2-Dibromoethane	9.67	107	32515	17.508	ug/l	99
64) Tetrachloroethene	9.34	164	27209	17.154	ug/l	96
65) Chlorobenzene	10.13	112	81281	17.572	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	28891	17.228	ug/l	99
67) Ethyl Benzene	10.25	91	147980	17.383	ug/l	98
68) m/p-Xylenes	10.36	106	108596	34.909	ug/l	98
69) o-Xylene	10.69	106	53517	17.436	ug/l	100
70) Styrene	10.71	104	92568	17.352	ug/l	100
71) Bromoform	10.85	173	22848	16.766	ug/l #	99
73) Isopropylbenzene	11.02	105	143332	17.478	ug/l	98
74) N-amyl acetate	10.90	43	83365	17.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	53644	17.548	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	45898m	17.546	ug/l	
77) Bromobenzene	11.26	156	35702	17.540	ug/l	98
78) n-propylbenzene	11.36	91	162931	17.397	ug/l	100
79) 2-Chlorotoluene	11.42	91	98310	17.014	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	121684	17.623	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	16402	16.043	ug/l	92
82) 4-Chlorotoluene	11.51	91	111888	17.141	ug/l	99
83) tert-Butylbenzene	11.77	119	115964	17.264	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	122157	17.625	ug/l	100
85) sec-Butylbenzene	11.94	105	138666	17.413	ug/l	100
86) p-Isopropyltoluene	12.06	119	125277	17.499	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	62010	17.090	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	62854	17.182	ug/l	98
89) n-Butylbenzene	12.38	91	109271	16.887	ug/l	99
90) Hexachloroethane	12.59	117	20590	16.881	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	62525	16.918	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12022	17.530	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	44226	17.499	ug/l	98
94) Hexachlorobutadiene	13.78	225	22461	17.404	ug/l	99
95) Naphthalene	13.83	128	144039	17.518	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	45163	17.629	ug/l	100

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

