

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009852.D
 Acq On : 23 May 2019 12:47
 Operator : JC/SP
 Sample : VX0523WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:01:51 AM

Quant Time: May 23 14:17:53 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	5.67	168	179278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125490	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	113447	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
35) Dibromofluoromethane	5.50	113	80272	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	
50) Toluene-d8	8.71	98	331108	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	
62) 4-Bromofluorobenzene	11.13	95	118384	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	26269	15.901	ug/l	99
3) Chloromethane	1.32	50	42265	18.739	ug/l	96
4) Vinyl Chloride	1.41	62	39074	17.766	ug/l	97
5) Bromomethane	1.64	94	25072	18.992	ug/l	100
6) Chloroethane	1.72	64	25448	18.021	ug/l	97
7) Trichlorofluoromethane	1.93	101	47297	17.691	ug/l	99
8) Diethyl Ether	2.19	74	22290	17.601	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29294	17.449	ug/l	99
10) Methyl Iodide	2.51	142	28889	18.043	ug/l	98
11) Tert butyl alcohol	3.05	59	55973	98.804	ug/l	100
12) 1,1-Dichloroethene	2.37	96	29676	17.642	ug/l	100
13) Acrolein	2.29	56	40226	78.407	ug/l	96
14) Allyl chloride	2.73	41	72767	17.751	ug/l	97
15) Acrylonitrile	3.14	53	125419	90.546	ug/l	99
16) Acetone	2.45	43	121612	92.541	ug/l	96
17) Carbon Disulfide	2.57	76	83967	17.779	ug/l	99
18) Methyl Acetate	2.78	43	54953	17.583	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	114310	17.499	ug/l	99
20) Methylene Chloride	2.85	84	36576	17.190	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	31897	17.485	ug/l	96
22) Diisopropyl ether	3.85	45	144085	18.277	ug/l	94
23) Vinyl Acetate	3.82	43	641058	94.960	ug/l	98
24) 1,1-Dichloroethane	3.70	63	67842	17.444	ug/l	99
25) 2-Butanone	4.67	43	193606	94.806	ug/l	97
26) 2,2-Dichloropropane	4.59	77	48312	16.689	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	37440	17.194	ug/l	97
28) Bromochloromethane	5.01	49	36328	21.651	ug/l	95
29) Tetrahydrofuran	5.13	42	123708	94.139	ug/l	98
30) Chloroform	5.21	83	61684	17.537	ug/l	98
31) Cyclohexane	5.58	56	66502	18.379	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	50795	17.347	ug/l	99
36) 1,1-Dichloropropene	5.80	75	47133	17.726	ug/l	99
37) Ethyl Acetate	4.84	43	71075	19.185	ug/l	98
38) Carbon Tetrachloride	5.78	117	41460	17.161	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57633	17.649	ug/l	96
40) Benzene	6.14	78	147757	17.955	ug/l	99
41) Methacrylonitrile	5.04	41	39606	17.959	ug/l	99
42) 1,2-Dichloroethane	6.19	62	54608	18.499	ug/l	99
43) Isopropyl Acetate	6.45	43	111027	18.736	ug/l	98
44) Trichloroethene	7.21	130	33643	16.911	ug/l	99
45) 1,2-Dichloropropane	7.51	63	41844	17.958	ug/l	100
46) Dibromomethane	7.66	93	23827	17.609	ug/l	99
47) Bromodichloromethane	7.90	83	46442	17.206	ug/l	96
48) Methyl methacrylate	7.77	41	55806	18.981	ug/l	97
49) 1,4-Dioxane	7.74	88	21793	365.510	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	368024	95.014	ug/l	98
52) Toluene	8.79	92	88102	17.612	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	53041	17.405	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	59277	17.574	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	35736	17.511	ug/l	96
56) Ethyl methacrylate	9.18	69	65351	17.939	ug/l	96
57) 1,3-Dichloropropane	9.37	76	63569	17.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	176050	91.097	ug/l	99
59) 2-Hexanone	9.49	43	290428	95.470	ug/l	97
60) Dibromochloromethane	9.58	129	34048	17.082	ug/l	99
61) 1,2-Dibromoethane	9.67	107	36643	17.788	ug/l	99
64) Tetrachloroethene	9.34	164	31554	17.651	ug/l	99
65) Chlorobenzene	10.13	112	91204	17.494	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	32198	17.035	ug/l	99
67) Ethyl Benzene	10.25	91	169516	17.668	ug/l	99
68) m/p-Xylenes	10.36	106	123504	35.225	ug/l	97
69) o-Xylene	10.70	106	59327	17.150	ug/l	96
70) Styrene	10.71	104	104464	17.374	ug/l	98
71) Bromoform	10.85	173	25174	16.390	ug/l #	100
73) Isopropylbenzene	11.02	105	162628	17.821	ug/l	100
74) N-amyl acetate	10.90	43	97633	18.351	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	60600	17.814	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	52255m	17.951	ug/l	
77) Bromobenzene	11.26	156	40388	17.831	ug/l	98
78) n-propylbenzene	11.36	91	186923	17.936	ug/l	100
79) 2-Chlorotoluene	11.42	91	111294	17.309	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	136522	17.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18380	16.156	ug/l	89
82) 4-Chlorotoluene	11.51	91	128483	17.688	ug/l	99
83) tert-Butylbenzene	11.77	119	129509	17.326	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	138052	17.900	ug/l	99
85) sec-Butylbenzene	11.94	105	156758	17.689	ug/l	100
86) p-Isopropyltoluene	12.06	119	140374	17.620	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	69871	17.304	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	70472	17.312	ug/l	98
89) n-Butylbenzene	12.38	91	125709	17.458	ug/l	100
90) Hexachloroethane	12.60	117	22285	16.419	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	70984	17.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13452	17.627	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	48620	17.288	ug/l	98
94) Hexachlorobutadiene	13.78	225	24958	17.378	ug/l	99
95) Naphthalene	13.83	128	156117	17.062	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	49879	17.497	ug/l	99

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

