

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009490.D
 Acq On : 10 May 2019 18:53
 Operator : JC/SP
 Sample : VX0510WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:53:07 AM

Quant Time: May 11 03:51:55 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	159595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	254123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111155	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	111810	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
35) Dibromofluoromethane	5.50	113	83251	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
50) Toluene-d8	8.71	98	333681	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.13	95	120859	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	28521	19.393	ug/l	98
3) Chloromethane	1.32	50	44095	21.961	ug/l	98
4) Vinyl Chloride	1.41	62	41822	21.360	ug/l	100
5) Bromomethane	1.64	94	25611	21.793	ug/l	95
6) Chloroethane	1.72	64	28823	22.929	ug/l	100
7) Trichlorofluoromethane	1.93	101	51760	21.748	ug/l	96
8) Diethyl Ether	2.19	74	24074	21.355	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31416	21.020	ug/l	99
10) Methyl Iodide	2.51	142	34457	22.614	ug/l	100
11) Tert butyl alcohol	3.05	59	57040	113.106	ug/l	99
12) 1,1-Dichloroethene	2.37	96	32351	21.604	ug/l	97
13) Acrolein	2.29	56	43120	94.413	ug/l	99
14) Allyl chloride	2.73	41	75997	20.825	ug/l	99
15) Acrylonitrile	3.14	53	133163	107.993	ug/l	99
16) Acetone	2.45	43	125536	107.309	ug/l	99
17) Carbon Disulfide	2.57	76	92492	22.000	ug/l	99
18) Methyl Acetate	2.78	43	57254	20.579	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	125345	21.555	ug/l	100
20) Methylene Chloride	2.85	84	39624	20.919	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	34560	21.281	ug/l	99
22) Diisopropyl ether	3.85	45	149644	21.323	ug/l	93
23) Vinyl Acetate	3.81	43	672418	111.890	ug/l	99
24) 1,1-Dichloroethane	3.70	63	73231	21.152	ug/l	100
25) 2-Butanone	4.67	43	200192	110.121	ug/l	100
26) 2,2-Dichloropropane	4.58	77	51963	20.164	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	41365	21.339	ug/l	99
28) Bromochloromethane	5.01	49	26134	16.940	ug/l	100
29) Tetrahydrofuran	5.13	42	133074	113.756	ug/l	99
30) Chloroform	5.21	83	67966	21.706	ug/l	99
31) Cyclohexane	5.58	56	70445	21.870	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	55433	21.266	ug/l	99
36) 1,1-Dichloropropene	5.80	75	50994	21.593	ug/l	100
37) Ethyl Acetate	4.84	43	73624	22.375	ug/l	99
38) Carbon Tetrachloride	5.78	117	45844	21.366	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	63028	21.732	ug/l	98
40) Benzene	6.14	78	159296	21.795	ug/l	97
41) Methacrylonitrile	5.04	41	41326	21.099	ug/l	98
42) 1,2-Dichloroethane	6.19	62	57699	22.008	ug/l	100
43) Isopropyl Acetate	6.45	43	115049	21.859	ug/l	99
44) Trichloroethene	7.21	130	37235	21.074	ug/l	99
45) 1,2-Dichloropropane	7.51	63	44692	21.595	ug/l	99
46) Dibromomethane	7.66	93	25604	21.305	ug/l	98
47) Bromodichloromethane	7.90	83	51283	21.392	ug/l	98
48) Methyl methacrylate	7.77	41	59109	22.637	ug/l	98
49) 1,4-Dioxane	7.74	88	23856	450.499	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	387775	112.721	ug/l	99
52) Toluene	8.79	92	98513	22.174	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57839	21.370	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	64513	21.535	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	39659	21.880	ug/l	96
56) Ethyl methacrylate	9.18	69	70636	21.832	ug/l	98
57) 1,3-Dichloropropane	9.37	76	69539	21.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	168457	98.145	ug/l	100
59) 2-Hexanone	9.49	43	305253	112.980	ug/l	99
60) Dibromochloromethane	9.58	129	37747	21.323	ug/l	98
61) 1,2-Dibromoethane	9.67	107	40852	22.328	ug/l	98
64) Tetrachloroethene	9.34	164	34650	21.970	ug/l	97
65) Chlorobenzene	10.13	112	101365	22.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	36460	21.865	ug/l	99
67) Ethyl Benzene	10.25	91	186093	21.984	ug/l	100
68) m/p-Xylenes	10.36	106	135423	43.779	ug/l	98
69) o-Xylene	10.70	106	66890	21.917	ug/l	100
70) Styrene	10.71	104	115397	21.754	ug/l	99
71) Bromoform	10.85	173	28877	21.310	ug/l #	99
73) Isopropylbenzene	11.02	105	177479	21.957	ug/l	99
74) N-amyl acetate	10.90	43	103770	22.020	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	66138	21.949	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	56568m	21.939	ug/l	
77) Bromobenzene	11.26	156	44058	21.960	ug/l	99
78) n-propylbenzene	11.36	91	199671	21.630	ug/l	98
79) 2-Chlorotoluene	11.42	91	122582	21.524	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	150184	22.066	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20496	20.339	ug/l	95
82) 4-Chlorotoluene	11.51	91	137512	21.373	ug/l	100
83) tert-Butylbenzene	11.77	119	143817	21.722	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	151449	22.169	ug/l	100
85) sec-Butylbenzene	11.94	105	169995	21.657	ug/l	100
86) p-Isopropyltoluene	12.06	119	153669	21.777	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	77589	21.694	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	76847	21.312	ug/l	99
89) n-Butylbenzene	12.38	91	137136	21.501	ug/l	100
90) Hexachloroethane	12.60	117	25902	21.545	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	78765	21.622	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15300	22.635	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54319	21.805	ug/l	99
94) Hexachlorobutadiene	13.78	225	27744	21.810	ug/l	99
95) Naphthalene	13.83	128	180446	22.265	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	56685	22.448	ug/l	99

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

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