

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009746.D
 Acq On : 21 May 2019 14:37
 Operator : JC/SP
 Sample : VX0521WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 9:40:40 AM

Quant Time: May 22 07:46:57 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	163256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	262081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113398	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	101025	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
35) Dibromofluoromethane	5.50	113	74183	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
50) Toluene-d8	8.71	98	288641	43.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.78%	
62) 4-Bromofluorobenzene	11.13	95	106764	44.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.34%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	25677	17.068	ug/l	95
3) Chloromethane	1.32	50	40682	19.807	ug/l	100
4) Vinyl Chloride	1.41	62	37969	18.958	ug/l	99
5) Bromomethane	1.64	94	23952	19.925	ug/l	97
6) Chloroethane	1.72	64	24330	18.921	ug/l	97
7) Trichlorofluoromethane	1.93	101	45040	18.500	ug/l	100
8) Diethyl Ether	2.19	74	20811	18.046	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27758	18.156	ug/l	99
10) Methyl Iodide	2.51	142	29297	19.571	ug/l	100
11) Tert butyl alcohol	3.04	59	47332	91.751	ug/l	98
12) 1,1-Dichloroethene	2.37	96	28281	18.462	ug/l	99
13) Acrolein	2.29	56	37734	80.767	ug/l	97
14) Allyl chloride	2.73	41	67933	18.198	ug/l	99
15) Acrylonitrile	3.14	53	116897	92.676	ug/l	99
16) Acetone	2.45	43	109183	91.237	ug/l	99
17) Carbon Disulfide	2.57	76	81727	19.003	ug/l	99
18) Methyl Acetate	2.78	43	49801	17.499	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	107133	18.010	ug/l	99
20) Methylene Chloride	2.85	84	34754	17.936	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	30474	18.344	ug/l	97
22) Diisopropyl ether	3.86	45	132386	18.441	ug/l	96
23) Vinyl Acetate	3.81	43	595432	96.857	ug/l	98
24) 1,1-Dichloroethane	3.70	63	64144	18.112	ug/l	99
25) 2-Butanone	4.68	43	175623	94.440	ug/l	97
26) 2,2-Dichloropropane	4.58	77	45287	17.180	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	35514	17.910	ug/l	98
28) Bromochloromethane	5.01	49	35899	23.742	ug/l	100
29) Tetrahydrofuran	5.13	42	116674	97.500	ug/l	97
30) Chloroform	5.21	83	57936	18.088	ug/l	96
31) Cyclohexane	5.58	56	61593	18.693	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	47810	17.930	ug/l	98
36) 1,1-Dichloropropene	5.80	75	44720	18.361	ug/l	99
37) Ethyl Acetate	4.84	43	65333	19.253	ug/l	99
38) Carbon Tetrachloride	5.79	117	40356	18.237	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	55002	18.389	ug/l	98
40) Benzene	6.14	78	140678	18.663	ug/l	100
41) Methacrylonitrile	5.04	41	36595	18.116	ug/l	98
42) 1,2-Dichloroethane	6.19	62	50244	18.582	ug/l	99
43) Isopropyl Acetate	6.45	43	100732	18.558	ug/l	100
44) Trichloroethene	7.21	130	32581	17.880	ug/l	100
45) 1,2-Dichloropropane	7.51	63	39432	18.475	ug/l	98
46) Dibromomethane	7.66	93	22094	17.826	ug/l	98
47) Bromodichloromethane	7.90	83	44071	17.826	ug/l	97
48) Methyl methacrylate	7.77	41	50191	18.638	ug/l	99
49) 1,4-Dioxane	7.74	88	19653	359.860	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	340662	96.019	ug/l	99
52) Toluene	8.78	92	85404	18.639	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	49516	17.739	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	55442	17.945	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	34046	18.213	ug/l	97
56) Ethyl methacrylate	9.18	69	60649	18.176	ug/l	96
57) 1,3-Dichloropropane	9.37	76	59760	18.167	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	162993	92.078	ug/l	100
59) 2-Hexanone	9.49	43	264325	94.861	ug/l	98
60) Dibromochloromethane	9.58	129	32528	17.817	ug/l	99
61) 1,2-Dibromoethane	9.67	107	34155	18.101	ug/l	98
64) Tetrachloroethene	9.34	164	30393	18.545	ug/l	99
65) Chlorobenzene	10.13	112	86473	18.092	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	30866	17.813	ug/l	99
67) Ethyl Benzene	10.25	91	159943	18.183	ug/l	99
68) m/p-Xylenes	10.36	106	117834	36.658	ug/l	99
69) o-Xylene	10.69	106	57167	18.025	ug/l	100
70) Styrene	10.71	104	98694	17.904	ug/l	99
71) Bromoform	10.85	173	24605	17.473	ug/l #	98
73) Isopropylbenzene	11.02	105	151717	18.398	ug/l	99
74) N-amyl acetate	10.90	43	88619	18.433	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	57069	18.565	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	50319m	19.130	ug/l	
77) Bromobenzene	11.26	156	36868	18.013	ug/l	97
78) n-propylbenzene	11.36	91	172568	18.324	ug/l	99
79) 2-Chlorotoluene	11.42	91	105734	18.198	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	128845	18.557	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17668	17.186	ug/l	90
82) 4-Chlorotoluene	11.51	91	120666	18.384	ug/l	99
83) tert-Butylbenzene	11.77	119	122068	18.072	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	128771	18.477	ug/l	99
85) sec-Butylbenzene	11.94	105	143838	17.962	ug/l	100
86) p-Isopropyltoluene	12.06	119	131517	18.269	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	65400	17.924	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	65005	17.671	ug/l	97
89) n-Butylbenzene	12.38	91	115053	17.682	ug/l	100
90) Hexachloroethane	12.59	117	21929	17.880	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	65604	17.653	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12668	18.370	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	45086	17.741	ug/l	99
94) Hexachlorobutadiene	13.78	225	23555	18.150	ug/l	99
95) Naphthalene	13.83	128	145198	17.561	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	46150	17.915	ug/l	99

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

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