

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008410.D
 Acq On : 25 Mar 2019 14:07
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:46:26 AM

Quant Time: Mar 26 04:44:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:13:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	204426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	347651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141423	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	16473	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	
35) Dibromofluoromethane	5.49	113	11585	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
50) Toluene-d8	8.71	98	46490	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	
62) 4-Bromofluorobenzene	11.13	95	16502	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	12666	5.501	ug/l	99
3) Chloromethane	1.32	50	18037	5.313	ug/l	99
4) Vinyl Chloride	1.40	62	17961	5.394	ug/l	100
5) Bromomethane	1.64	94	10395	5.091	ug/l	100
6) Chloroethane	1.71	64	10316m	5.227	ug/l	
7) Trichlorofluoromethane	1.92	101	20030	5.304	ug/l	91
8) Diethyl Ether	2.18	74	9437	5.207	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	12114	5.399	ug/l	97
10) Methyl Iodide	2.51	142	8076	2.984	ug/l	98
11) Tert butyl alcohol	3.05	59	18251	26.304	ug/l	96
12) 1,1-Dichloroethene	2.37	96	12365	5.320	ug/l	99
13) Acrolein	2.29	56	15199	26.897	ug/l	99
14) Allyl chloride	2.72	41	26394	5.151	ug/l	99
15) Acrylonitrile	3.14	53	46757	26.475	ug/l	98
16) Acetone	2.44	43	42517	27.301	ug/l	98
17) Carbon Disulfide	2.56	76	38250	5.161	ug/l	98
18) Methyl Acetate	2.77	43	20092	5.191	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	44245	5.292	ug/l	99
20) Methylene Chloride	2.85	84	15042	5.363	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	13101	5.224	ug/l	96
22) Diisopropyl ether	3.85	45	53366	5.340	ug/l	99
23) Vinyl Acetate	3.81	43	228800	25.959	ug/l	100
24) 1,1-Dichloroethane	3.70	63	27103	5.324	ug/l	99
25) 2-Butanone	4.67	43	66403	26.023	ug/l	97
26) 2,2-Dichloropropane	4.59	77	17615	5.334	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	14672	5.105	ug/l	94
28) Bromochloromethane	5.01	49	13134	5.244	ug/l	96
29) Tetrahydrofuran	5.13	42	43244	25.647	ug/l	97
30) Chloroform	5.21	83	24561	5.348	ug/l	98
31) Cyclohexane	5.58	56	26041	5.344	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	18775	5.156	ug/l	99
36) 1,1-Dichloropropene	5.80	75	18243	5.143	ug/l	96
37) Ethyl Acetate	4.83	43	24759	5.179	ug/l #	96
38) Carbon Tetrachloride	5.78	117	15769	5.173	ug/l	98

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Quant Time: Mar 26 04:44:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	22694	5.216	ug/l	97
40) Benzene	6.14	78	58677	5.426	ug/l	98
41) Methacrylonitrile	5.04	41	14215	5.444	ug/l	97
42) 1,2-Dichloroethane	6.19	62	21562	5.493	ug/l	100
43) Isopropyl Acetate	6.45	43	37738	5.056	ug/l	99
44) Trichloroethene	7.21	130	13375	5.321	ug/l	99
45) 1,2-Dichloropropane	7.51	63	16231	5.301	ug/l	100
46) Dibromomethane	7.66	93	9252	5.102	ug/l	99
47) Bromodichloromethane	7.90	83	17604	5.080	ug/l	96
48) Methyl methacrylate	7.77	41	19433	5.142	ug/l	99
49) 1,4-Dioxane	7.74	88	8240	108.013	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	129994	26.437	ug/l	100
52) Toluene	8.78	92	34600	5.443	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	17388	4.658	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	20853	4.944	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	14231	5.390	ug/l	97
56) Ethyl methacrylate	9.18	69	24634	5.263	ug/l	97
57) 1,3-Dichloropropane	9.37	76	25151	5.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	65698	26.272	ug/l	98
59) 2-Hexanone	9.49	43	102521	27.023	ug/l	99
60) Dibromochloromethane	9.58	129	12342	5.031	ug/l	97
61) 1,2-Dibromoethane	9.67	107	14027	5.241	ug/l	99
64) Tetrachloroethene	9.34	164	10892	5.407	ug/l	95
65) Chlorobenzene	10.13	112	34258	5.293	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	11744	5.229	ug/l	100
67) Ethyl Benzene	10.25	91	65609	5.402	ug/l	100
68) m/p-Xylenes	10.36	106	47544	10.897	ug/l	97
69) o-Xylene	10.69	106	23473	5.501	ug/l	98
70) Styrene	10.71	104	38678	5.225	ug/l	100
71) Bromoform	10.85	173	8615	4.948	ug/l #	100
73) Isopropylbenzene	11.02	105	61200	5.482	ug/l	100
74) N-amyl acetate	10.90	43	34638	5.300	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	24141	5.442	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	22205m	5.995	ug/l	
77) Bromobenzene	11.26	156	14507	5.473	ug/l	99
78) n-propylbenzene	11.36	91	70026	5.356	ug/l	99
79) 2-Chlorotoluene	11.42	91	43199	5.408	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	51380	5.409	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	5589	4.312	ug/l #	79
82) 4-Chlorotoluene	11.51	91	49040	5.338	ug/l	99
83) tert-Butylbenzene	11.77	119	49474	5.483	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	51628	5.439	ug/l	99
85) sec-Butylbenzene	11.94	105	58361	5.378	ug/l	100
86) p-Isopropyltoluene	12.06	119	50665	5.297	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	25777	5.419	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	25899	5.344	ug/l	94
89) n-Butylbenzene	12.38	91	45521	4.989	ug/l	98
90) Hexachloroethane	12.59	117	8122	5.130	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	26199	5.425	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	4755	5.038	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	16472	5.047	ug/l	98
94) Hexachlorobutadiene	13.78	225	8273	5.369	ug/l	98
95) Naphthalene	13.83	128	56734	4.990	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	16943	5.168	ug/l	99

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

