

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004722.D
 Acq On : 26 Sep 2018 11:59
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:30:58 PM

Quant Time: Sep 26 13:29:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 13:18:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	293577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	438294	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	382401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251426	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	23074	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
35) Dibromofluoromethane	5.51	113	19001	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
50) Toluene-d8	8.72	98	63570	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
62) 4-Bromofluorobenzene	11.14	95	21203	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	15569	3.305	ug/l	98
3) Chloromethane	1.32	50	22621	4.356	ug/l	99
4) Vinyl Chloride	1.40	62	22127	4.536	ug/l	94
5) Bromomethane	1.64	94	14033	5.006	ug/l	93
6) Chloroethane	1.71	64	14921	5.592	ug/l	96
7) Trichlorofluoromethane	1.92	101	28007	4.485	ug/l	94
8) Diethyl Ether	2.19	74	12830	5.397	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	16804	5.399	ug/l	97
10) Methyl Iodide	2.51	142	19214	3.811	ug/l	96
11) Tert butyl alcohol	3.08	59	30062	25.315	ug/l	96
12) 1,1-Dichloroethene	2.37	96	17572	5.707	ug/l	89
13) Acrolein	2.29	56	20661	25.322	ug/l	97
14) Allyl chloride	2.73	41	37283	5.200	ug/l	93
15) Acrylonitrile	3.15	53	70286	25.991	ug/l	99
16) Acetone	2.45	43	60582	23.750	ug/l	97
17) Carbon Disulfide	2.56	76	46972	4.780	ug/l	98
18) Methyl Acetate	2.78	43	31929	5.141	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	55586	5.134	ug/l	96
20) Methylene Chloride	2.85	84	21066	5.210	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	18718	5.168	ug/l	97
22) Diisopropyl ether	3.87	45	58924	4.875	ug/l	94
23) Vinyl Acetate	3.82	43	261545	22.805	ug/l	97
24) 1,1-Dichloroethane	3.70	63	37014	5.082	ug/l	99
25) 2-Butanone	4.71	43	91935	24.791	ug/l	93
26) 2,2-Dichloropropane	4.59	77	24008	4.961	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	20148	4.987	ug/l	99
28) Bromochloromethane	5.01	49	16939	5.299	ug/l	93
29) Tetrahydrofuran	5.16	42	56376	23.536	ug/l	91
30) Chloroform	5.22	83	35312	5.575	ug/l	100
31) Cyclohexane	5.57	56	25522	4.277	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	27565	5.092	ug/l	98
36) 1,1-Dichloropropene	5.79	75	24272	4.915	ug/l	99
37) Ethyl Acetate	4.86	43	32903	4.875	ug/l	99
38) Carbon Tetrachloride	5.78	117	24065	4.621	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	24198	4.780	ug/l	93
40) Benzene	6.14	78	77626	5.104	ug/l	98
41) Methacrylonitrile	5.06	41	15878	4.085	ug/l	94
42) 1,2-Dichloroethane	6.20	62	27993	5.129	ug/l	100
43) Isopropyl Acetate	6.46	43	43818	4.216	ug/l	95
44) Trichloroethene	7.21	130	19962	5.634	ug/l	93
45) 1,2-Dichloropropane	7.52	63	19310	5.306	ug/l	100
46) Dibromomethane	7.66	93	11371	5.013	ug/l	96
47) Bromodichloromethane	7.90	83	21686	4.992	ug/l #	94
48) Methyl methacrylate	7.77	41	18910	4.217	ug/l	97
49) 1,4-Dioxane	7.76	88	10718	95.267	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	145441	23.654	ug/l	95
52) Toluene	8.78	92	43751	5.003	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	21917	4.007	ug/l	95
54) cis-1,3-Dichloropropene	8.44	75	25327	4.730	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	19136	5.015	ug/l	94
56) Ethyl methacrylate	9.18	69	24564	4.229	ug/l	99
57) 1,3-Dichloropropane	9.37	76	30485	4.671	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.32	63	64250	20.695	ug/l	93
59) 2-Hexanone	9.50	43	119975	21.856	ug/l	91
60) Dibromochloromethane	9.59	129	17066	4.093	ug/l	94
61) 1,2-Dibromoethane	9.67	107	21699	5.008	ug/l	98
64) Tetrachloroethene	9.34	164	19731	5.149	ug/l	89
65) Chlorobenzene	10.14	112	49597	5.157	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	17927	5.337	ug/l	97
67) Ethyl Benzene	10.26	91	81498	5.299	ug/l	95
68) m/p-Xylenes	10.36	106	60848	9.671	ug/l	97
69) o-Xylene	10.70	106	26119	4.588	ug/l	99
70) Styrene	10.71	104	42752	4.389	ug/l	95
71) Bromoform	10.85	173	13602	4.508	ug/l #	98
73) Isopropylbenzene	11.02	105	69956	3.958	ug/l	98
74) N-amyl acetate	10.90	43	28415	3.292	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	30745	4.836	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	29015m	4.980	ug/l	
77) Bromobenzene	11.26	156	21437	4.469	ug/l	99
78) n-propylbenzene	11.36	91	76381	3.737	ug/l	98
79) 2-Chlorotoluene	11.42	91	49643	4.047	ug/l	92
80) 1,3,5-Trimethylbenzene	11.51	105	57035	3.747	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	6967	3.600	ug/l	88
82) 4-Chlorotoluene	11.51	91	62822	4.306	ug/l	99
83) tert-Butylbenzene	11.77	119	52001	3.591	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	56462	3.605	ug/l	97
85) sec-Butylbenzene	11.94	105	73014	4.143	ug/l	96
86) p-Isopropyltoluene	12.07	119	65056	4.061	ug/l	96
87) 1,3-Dichlorobenzene	12.03	146	40747	4.583	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	45756	5.070	ug/l	93
89) n-Butylbenzene	12.39	91	56496	3.921	ug/l	96
90) Hexachloroethane	12.60	117	10809	4.507	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	44874	4.941	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	6787	4.741	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	28782	4.312	ug/l	98
94) Hexachlorobutadiene	13.79	225	16472	5.142	ug/l	96
95) Naphthalene	13.83	128	80975	3.782	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	31403	4.566	ug/l	99

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

