

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022519\
 Data File : VX007663.D
 Acq On : 25 Feb 2019 10:15
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/26/2019 2:57:21 PM

Quant Time: Feb 25 11:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 25 11:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	348640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	544311	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	482632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223907	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	21932	5.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.86%	
35) Dibromofluoromethane	5.51	113	18242	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
50) Toluene-d8	8.71	98	69778	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
62) 4-Bromofluorobenzene	11.13	95	22834	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	15010	3.862	ug/l	94
3) Chloromethane	1.33	50	16519	4.207	ug/l	94
4) Vinyl Chloride	1.41	62	17522	4.548	ug/l	100
5) Bromomethane	1.64	94	14193	3.237	ug/l	92
6) Chloroethane	1.72	64	12208	4.899	ug/l	93
7) Trichlorofluoromethane	1.93	101	28277	4.692	ug/l	97
8) Diethyl Ether	2.20	74	11381	5.017	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	17546	4.895	ug/l	94
10) Methyl Iodide	2.51	142	17921	3.398	ug/l	96
11) Tert butyl alcohol	3.07	59	20525	26.801	ug/l #	84
12) 1,1-Dichloroethene	2.37	96	15555	4.673	ug/l	97
13) Acrolein	2.30	56	19455	54.175	ug/l	98
14) Allyl chloride	2.73	41	29011	5.349	ug/l	99
15) Acrylonitrile	3.15	53	48908	25.816	ug/l	99
16) Acetone	2.45	43	47253	27.876	ug/l	98
17) Carbon Disulfide	2.57	76	40152	4.571	ug/l	97
18) Methyl Acetate	2.78	43	20696	4.315	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	53195	4.933	ug/l	99
20) Methylene Chloride	2.86	84	17717	4.623	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	16883	4.761	ug/l	96
22) Diisopropyl ether	3.87	45	59371	5.951	ug/l	95
23) Vinyl Acetate	3.82	43	245245	29.622	ug/l	99
24) 1,1-Dichloroethane	3.70	63	30367	5.300	ug/l	94
25) 2-Butanone	4.70	43	73236	30.359	ug/l	99
26) 2,2-Dichloropropane	4.58	77	24104	5.524	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	21090	5.445	ug/l	97
28) Bromochloromethane	5.02	49	15256	5.790	ug/l	93
29) Tetrahydrofuran	5.16	42	44408	29.270	ug/l	97
30) Chloroform	5.21	83	34481	5.767	ug/l	97
31) Cyclohexane	5.57	56	28858	5.608	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	26835	5.317	ug/l	95
36) 1,1-Dichloropropene	5.80	75	24657	5.049	ug/l	96
37) Ethyl Acetate	4.85	43	26014	5.269	ug/l	98
38) Carbon Tetrachloride	5.79	117	23284	4.914	ug/l #	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	31941	5.406	ug/l	95
40) Benzene	6.14	78	76434	5.313	ug/l	100
41) Methacrylonitrile	5.06	41	13119	4.958	ug/l #	82
42) 1,2-Dichloroethane	6.20	62	24981	5.019	ug/l	93
43) Isopropyl Acetate	6.46	43	40671	5.337	ug/l	99
44) Trichloroethene	7.21	130	22434	5.178	ug/l	92
45) 1,2-Dichloropropane	7.51	63	19764	5.483	ug/l	99
46) Dibromomethane	7.66	93	13428	5.126	ug/l	90
47) Bromodichloromethane	7.90	83	22570	5.083	ug/l	93
48) Methyl methacrylate	7.77	41	21248	5.575	ug/l	95
49) 1,4-Dioxane	7.76	88	9279	97.818	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	136146	27.140	ug/l	98
52) Toluene	8.78	92	48590	5.235	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	22532	4.725	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	25844	4.928	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	20100	5.195	ug/l	95
56) Ethyl methacrylate	9.18	69	25165	4.696	ug/l	99
57) 1,3-Dichloropropane	9.37	76	31455	5.112	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	71845	25.437	ug/l	99
59) 2-Hexanone	9.49	43	102222	26.187	ug/l	99
60) Dibromochloromethane	9.59	129	17385	4.751	ug/l	98
61) 1,2-Dibromoethane	9.67	107	20688	5.049	ug/l	100
64) Tetrachloroethene	9.34	164	21901	4.815	ug/l	92
65) Chlorobenzene	10.13	112	53789	5.107	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	17875	5.062	ug/l	98
67) Ethyl Benzene	10.25	91	86330	5.090	ug/l	99
68) m/p-Xylenes	10.36	106	66279	9.831	ug/l	96
69) o-Xylene	10.69	106	32452	5.002	ug/l	99
70) Styrene	10.71	104	51104	4.857	ug/l	100
71) Bromoform	10.85	173	11977	4.384	ug/l #	99
73) Isopropylbenzene	11.02	105	84173	5.532	ug/l	98
74) N-amyl acetate	10.90	43	31947	5.428	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	28473	6.140	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	26700m	6.131	ug/l	
77) Bromobenzene	11.26	156	21822	5.090	ug/l	88
78) n-propylbenzene	11.36	91	94753	5.679	ug/l	97
79) 2-Chlorotoluene	11.42	91	55413	5.473	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	68421	5.496	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	6419	5.117	ug/l #	79
82) 4-Chlorotoluene	11.51	91	65774	5.615	ug/l	99
83) tert-Butylbenzene	11.77	119	65183	5.289	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	69599	5.507	ug/l	99
85) sec-Butylbenzene	11.94	105	84448	5.661	ug/l	98
86) p-Isopropyltoluene	12.06	119	72807	5.407	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	40085	5.210	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	40558	5.196	ug/l	94
89) n-Butylbenzene	12.39	91	60078	5.187	ug/l	99
90) Hexachloroethane	12.60	117	11321	5.618	ug/l	87
91) 1,2-Dichlorobenzene	12.39	146	40107	5.238	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	5565	5.772	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	24604	4.765	ug/l	93
94) Hexachlorobutadiene	13.78	225	11587	4.621	ug/l	95
95) Naphthalene	13.83	128	72455	4.798	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	23522	4.525	ug/l	97

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

