

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041119\
 Data File : VX008850.D
 Acq On : 11 Apr 2019 14:34
 Operator : JC/SP
 Sample : VX0411MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 9:45:54 AM

Quant Time: Apr 12 08:01:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	151463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	251013	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105768	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	113582	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
35) Dibromofluoromethane	5.50	113	84999	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	
50) Toluene-d8	8.71	98	341584	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	11.13	95	125046	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	42077	24.134	ug/l	99
3) Chloromethane	1.32	50	53571	24.200	ug/l	99
4) Vinyl Chloride	1.40	62	47868	20.310	ug/l	99
5) Bromomethane	1.64	94	28011	25.102	ug/l	100
6) Chloroethane	1.71	64	28413	20.274	ug/l	100
7) Trichlorofluoromethane	1.92	101	51864	19.907	ug/l	100
8) Diethyl Ether	2.19	74	24506	19.835	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	32805	19.557	ug/l	97
10) Methyl Iodide	2.51	142	35546	25.408	ug/l	99
11) Tert butyl alcohol	3.05	59	56091	108.452	ug/l	100
12) 1,1-Dichloroethene	2.37	96	34917	19.941	ug/l	95
13) Acrolein	2.29	56	29985	116.922	ug/l	98
14) Allyl chloride	2.73	41	81344	20.292	ug/l	98
15) Acrylonitrile	3.14	53	140755	102.730	ug/l	100
16) Acetone	2.44	43	119818	94.165	ug/l	96
17) Carbon Disulfide	2.57	76	104405	20.207	ug/l	100
18) Methyl Acetate	2.77	43	60560	19.624	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	129812	20.759	ug/l	99
20) Methylene Chloride	2.85	84	42169	19.799	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	36983	19.526	ug/l	94
22) Diisopropyl ether	3.85	45	159118	20.595	ug/l	92
23) Vinyl Acetate	3.81	43	714744	106.341	ug/l	99
24) 1,1-Dichloroethane	3.70	63	76908	20.105	ug/l	98
25) 2-Butanone	4.67	43	205417	102.142	ug/l	98
26) 2,2-Dichloropropane	4.58	77	53135	19.722	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	42615	19.570	ug/l	99
28) Bromochloromethane	5.02	49	37307	21.630	ug/l	100
29) Tetrahydrofuran	5.13	42	135406	101.442	ug/l	99
30) Chloroform	5.21	83	69267	20.273	ug/l	97
31) Cyclohexane	5.58	56	75330	19.736	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	57108	20.684	ug/l	99
36) 1,1-Dichloropropene	5.80	75	53282	19.419	ug/l	99
37) Ethyl Acetate	4.83	43	77786	21.239	ug/l	99
38) Carbon Tetrachloride	5.78	117	46041	20.274	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65995	19.470	ug/l	99
40) Benzene	6.14	78	166678	20.391	ug/l	99
41) Methacrylonitrile	5.04	41	43839	20.824	ug/l	98
42) 1,2-Dichloroethane	6.19	62	59943	20.455	ug/l	100
43) Isopropyl Acetate	6.45	43	120815	21.058	ug/l	99
44) Trichloroethene	7.21	130	38850	20.406	ug/l	98
45) 1,2-Dichloropropane	7.51	63	46902	20.103	ug/l	99
46) Dibromomethane	7.66	93	26747	19.766	ug/l	98
47) Bromodichloromethane	7.90	83	51618	20.231	ug/l	99
48) Methyl methacrylate	7.77	41	61670	21.250	ug/l	98
49) 1,4-Dioxane	7.74	88	23648	434.979	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	404078	109.410	ug/l	100
52) Toluene	8.78	92	99529	20.653	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	59292	20.746	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	65291	19.993	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	39551	20.446	ug/l	99
56) Ethyl methacrylate	9.18	69	74799	21.371	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71567	20.603	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	168886	94.500	ug/l	99
59) 2-Hexanone	9.49	43	311706	108.601	ug/l	100
60) Dibromochloromethane	9.58	129	37767	20.719	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41512	20.614	ug/l	100
64) Tetrachloroethene	9.34	164	35330	21.157	ug/l	98
65) Chlorobenzene	10.14	112	100685	20.152	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35499	20.253	ug/l	99
67) Ethyl Benzene	10.25	91	190177	20.413	ug/l	98
68) m/p-Xylenes	10.36	106	137497	41.048	ug/l	99
69) o-Xylene	10.69	106	67388	20.759	ug/l	100
70) Styrene	10.71	104	117068	20.921	ug/l	100
71) Bromoform	10.85	173	27868	20.818	ug/l #	97
73) Isopropylbenzene	11.02	105	177657	20.268	ug/l	100
74) N-amyl acetate	10.90	43	106606	20.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66051	19.814	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	58063m	19.983	ug/l	
77) Bromobenzene	11.26	156	43426	20.609	ug/l	98
78) n-propylbenzene	11.36	91	204361	20.023	ug/l	99
79) 2-Chlorotoluene	11.42	91	123755	20.037	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	150046	20.393	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	21070	19.989	ug/l	95
82) 4-Chlorotoluene	11.51	91	141105	19.737	ug/l	99
83) tert-Butylbenzene	11.77	119	140753	19.884	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	151360	20.316	ug/l	99
85) sec-Butylbenzene	11.94	105	169552	20.165	ug/l	99
86) p-Isopropyltoluene	12.06	119	153282	20.311	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	75037	19.891	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75301	19.713	ug/l	99
89) n-Butylbenzene	12.38	91	139866	19.762	ug/l	100
90) Hexachloroethane	12.60	117	24314	19.425	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	75912	20.268	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14182	19.339	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	51791	19.888	ug/l	99
94) Hexachlorobutadiene	13.78	225	26545	21.254	ug/l	99
95) Naphthalene	13.83	128	174367	20.033	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52207	20.065	ug/l	97

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

