

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050418\
 Data File : VX001408.D
 Acq On : 04 May 2018 20:20
 Operator : JC/MD
 Sample : VX0504MBSD01
 Misc : 5.00µ/10mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2018 7:28:04 PM

Quant Time: May 05 06:50:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	146164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	195754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	185599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	122511	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	101076	49.96	ug/l	0.00
Spiked Amount						
			Recovery	=	99.92%	
35) Dibromofluoromethane	5.51	113	85631	50.78	ug/l	0.00
Spiked Amount						
			Recovery	=	101.56%	
50) Toluene-d8	8.72	98	310790	51.58	ug/l	0.00
Spiked Amount						
			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.15	95	112134	46.54	ug/l	0.00
Spiked Amount						
			Recovery	=	93.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	33779	20.891	ug/l	97
3) Chloromethane	1.32	50	32402	20.413	ug/l	100
4) Vinyl Chloride	1.40	62	35808	21.430	ug/l	97
5) Bromomethane	1.64	94	28435	21.925	ug/l	98
6) Chloroethane	1.72	64	24425	23.123	ug/l	98
7) Trichlorofluoromethane	1.93	101	64354	22.819	ug/l	98
8) Diethyl Ether	2.19	74	22893	23.643	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	35592	21.888	ug/l	100
10) Methyl Iodide	2.51	142	48487	29.320	ug/l	99
11) Tert butyl alcohol	3.09	59	52324	150.314	ug/l	99
12) 1,1-Dichloroethene	2.37	96	32121	21.908	ug/l	97
13) Acrolein	2.30	56	13704	68.373	ug/l	97
14) Allyl chloride	2.73	41	58103	22.651	ug/l	99
15) Acrylonitrile	3.16	53	110489	136.948	ug/l	99
16) Acetone	2.45	43	105047	121.631	ug/l	99
17) Carbon Disulfide	2.57	76	66455	17.397	ug/l	98
18) Methyl Acetate	2.78	43	62281	30.533	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	118654	23.759	ug/l	99
20) Methylene Chloride	2.86	84	37443	23.173	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	34105	21.371	ug/l	97
22) Diisopropyl ether	3.88	45	119759	24.241	ug/l	98
23) Vinyl Acetate	3.84	43	513216	122.589	ug/l	99
24) 1,1-Dichloroethane	3.70	63	65389	23.760	ug/l	99
25) 2-Butanone	4.73	43	144950	124.127	ug/l	99
26) 2,2-Dichloropropane	4.59	77	34178	15.262	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	35940	20.491	ug/l	96
28) Bromochloromethane	5.03	49	31376	25.363	ug/l	98
29) Tetrahydrofuran	5.18	42	92772	129.175	ug/l	99
30) Chloroform	5.23	83	63544	21.845	ug/l	99
31) Cyclohexane	5.58	56	46860	18.854	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	54130	21.290	ug/l	99
36) 1,1-Dichloropropene	5.81	75	42938	19.005	ug/l	98
37) Ethyl Acetate	4.88	43	53039	23.250	ug/l	98
38) Carbon Tetrachloride	5.79	117	47753	20.175	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	46483	17.396	ug/l	99
40) Benzene	6.15	78	134031	20.622	ug/l	99
41) Methacrylonitrile	5.08	41	29685	22.342	ug/l	98
42) 1,2-Dichloroethane	6.21	62	52103	20.705	ug/l	99
43) Isopropyl Acetate	6.48	43	81432	22.048	ug/l	99
44) Trichloroethene	7.22	130	42094	21.159	ug/l	100
45) 1,2-Dichloropropane	7.52	63	35234	21.110	ug/l	100
46) Dibromomethane	7.67	93	24674	21.091	ug/l	98
47) Bromodichloromethane	7.91	83	43130	20.619	ug/l	100
48) Methyl methacrylate	7.79	41	42566	21.680	ug/l	97
49) 1,4-Dioxane	7.77	88	19922	537.687	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	294878	123.841	ug/l	100
52) Toluene	8.79	92	88883	20.922	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	48104	19.337	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	43078	18.823	ug/l	94
55) 1,1,2-Trichloroethane	9.23	97	38416	22.385	ug/l	99
56) Ethyl methacrylate	9.19	69	51316	21.580	ug/l	99
57) 1,3-Dichloropropane	9.38	76	60292	21.842	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	131808	114.892	ug/l	100
59) 2-Hexanone	9.51	43	226911	121.927	ug/l	100
60) Dibromochloromethane	9.59	129	36598	20.444	ug/l	99
61) 1,2-Dibromoethane	9.68	107	39688	21.820	ug/l	100
64) Tetrachloroethene	9.34	164	52261	23.767	ug/l	98
65) Chlorobenzene	10.15	112	102974	20.401	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	37648	21.486	ug/l	99
67) Ethyl Benzene	10.26	91	165100	19.849	ug/l	99
68) m/p-Xylenes	10.37	106	129908	39.691	ug/l	98
69) o-Xylene	10.71	106	63819	20.105	ug/l	97
70) Styrene	10.72	104	105969	20.412	ug/l	98
71) Bromoform	10.87	173	29440	19.953	ug/l #	100
73) Isopropylbenzene	11.02	105	174848	21.334	ug/l	100
74) N-amyl acetate	6.48	43	81432	23.161	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	55190	22.476	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	51926m	22.921	ug/l	
77) Bromobenzene	11.26	156	50830	21.502	ug/l	98
78) n-propylbenzene	11.37	91	188635	20.710	ug/l	100
79) 2-Chlorotoluene	11.43	91	115324	20.984	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	146977	21.353	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	10927	18.633	ug/l	87
82) 4-Chlorotoluene	11.52	91	134119	20.289	ug/l	99
83) tert-Butylbenzene	11.78	119	143296	20.879	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	151073	21.420	ug/l	99
85) sec-Butylbenzene	11.95	105	176084	21.443	ug/l	99
86) p-Isopropyltoluene	12.07	119	159035	21.112	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	90410	20.482	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	92018	20.222	ug/l	99
89) n-Butylbenzene	12.40	91	125971	19.160	ug/l	99
90) Hexachloroethane	12.60	117	22169	20.323	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	94626	21.542	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	12092	24.367	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	67525	19.109	ug/l	99
94) Hexachlorobutadiene	13.79	225	36920	19.969	ug/l	99
95) Naphthalene	13.84	128	200422	22.355	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	73000	21.044	ug/l	98

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

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