

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032818\
 Data File : VX000483.D
 Acq On : 28 Mar 2018 12:53
 Operator : JC/MD
 Sample : VX0328WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/29/2018 11:19:41 AM

Quant Time: Mar 29 04:25:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	136465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	216952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	234197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	135133	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	89866	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	5.51	113	71992	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	8.73	98	294244	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.15	95	116672	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	31618	21.02	ug/l	99
3) Chloromethane	1.32	50	30582	19.30	ug/l	97
4) Vinyl Chloride	1.40	62	34939	20.87	ug/l	95
5) Bromomethane	1.64	94	27895	13.95	ug/l	97
6) Chloroethane	1.73	64	23104	24.33	ug/l	92
7) Trichlorofluoromethane	1.93	101	59947	19.84	ug/l	98
8) Diethyl Ether	2.19	74	22136	20.50	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34999	20.77	ug/l	97
10) Methyl Iodide	2.51	142	20844	15.69	ug/l	99
11) Tert butyl alcohol	3.06	59	63810	104.14	ug/l	99
12) 1,1-Dichloroethene	2.38	96	29720	20.09	ug/l	94
13) Acrolein	2.29	56	18952	105.80	ug/l	99
14) Allyl chloride	2.73	41	57071	21.79	ug/l	98
15) Acrylonitrile	3.15	53	129717	104.52	ug/l	99
16) Acetone	2.45	43	159684	107.76	ug/l	99
17) Carbon Disulfide	2.57	76	81062	20.61	ug/l	99
18) Methyl Acetate	2.78	43	65352	21.04	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	116087	21.22	ug/l	98
20) Methylene Chloride	2.86	84	35353	20.66	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	32833	19.90	ug/l	95
22) Diisopropyl ether	3.88	45	111358	24.08	ug/l	97
23) Vinyl Acetate	3.83	43	542245	123.70	ug/l	99
24) 1,1-Dichloroethane	3.70	63	62198	21.39	ug/l	99
25) 2-Butanone	4.71	43	171254	102.82	ug/l	99
26) 2,2-Dichloropropane	4.59	77	40465	19.86	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	30855	20.01	ug/l	98
28) Bromochloromethane	5.03	49	22326	18.62	ug/l	99
29) Tetrahydrofuran	5.17	42	102955	100.46	ug/l	98
30) Chloroform	5.23	83	55839	20.49	ug/l	95
31) Cyclohexane	5.59	56	44333	19.73	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	47491	19.32	ug/l	99
36) 1,1-Dichloropropene	5.81	75	40856	20.10	ug/l	99
37) Ethyl Acetate	4.87	43	56482	20.35	ug/l	99
38) Carbon Tetrachloride	5.79	117	41507	19.47	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	51080	20.67	ug/l	91
40) Benzene	6.15	78	122102	20.69	ug/l	100
41) Methacrylonitrile	5.07	41	29932	20.45	ug/l	98
42) 1,2-Dichloroethane	6.21	62	48853	21.10	ug/l	99
43) Isopropyl Acetate	6.48	43	86459	20.92	ug/l	98
44) Trichloroethene	7.22	130	33738	19.95	ug/l	100
45) 1,2-Dichloropropane	7.52	63	32909	21.79	ug/l	100
46) Dibromomethane	7.67	93	24702	20.83	ug/l	95
47) Bromodichloromethane	7.91	83	44999	21.57	ug/l	93
48) Methyl methacrylate	7.79	41	42835	21.35	ug/l	98
49) 1,4-Dioxane	7.76	88	17458	414.01	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	353912	110.65	ug/l	97
52) Toluene	8.79	92	89076	21.59	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	52547	21.74	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	52231	22.27	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	38293	22.57	ug/l	98
56) Ethyl methacrylate	9.19	69	56890	22.13	ug/l	99
57) 1,3-Dichloropropane	9.38	76	62167	22.91	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	132640	107.50	ug/l	98
59) 2-Hexanone	9.51	43	299971	110.45	ug/l	97
60) Dibromochloromethane	9.59	129	39172	22.02	ug/l	99
61) 1,2-Dibromoethane	9.68	107	42004	23.09	ug/l	98
64) Tetrachloroethene	9.34	164	37171	20.45	ug/l	92
65) Chlorobenzene	10.15	112	105972	20.33	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	36161	20.43	ug/l	98
67) Ethyl Benzene	10.26	91	181396	20.53	ug/l	99
68) m/p-Xylenes	10.37	106	142510	40.99	ug/l	99
69) o-Xylene	10.71	106	69364	20.61	ug/l	98
70) Styrene	10.72	104	112179	20.14	ug/l	99
71) Bromoform	10.87	173	30536	19.75	ug/l #	98
73) Isopropylbenzene	11.02	105	189742	21.19	ug/l	97
74) N-amyl acetate	6.48	43	86459	20.19	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	68528	21.64	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	61463m	21.16	ug/l	
77) Bromobenzene	11.26	156	48041	20.14	ug/l	99
78) n-propylbenzene	11.37	91	221327	20.73	ug/l	100
79) 2-Chlorotoluene	11.43	91	125844	20.40	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	156755	20.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	17921	19.98	ug/l	92
82) 4-Chlorotoluene	11.52	91	151413	20.56	ug/l	98
83) tert-Butylbenzene	11.78	119	153373	20.20	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	159837	20.25	ug/l	100
85) sec-Butylbenzene	11.96	105	194772	20.73	ug/l	100
86) p-Isopropyltoluene	12.07	119	172266	20.65	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	89950	19.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	94020	19.86	ug/l	98
89) n-Butylbenzene	12.40	91	166016	21.37	ug/l	98
90) Hexachloroethane	12.60	117	26762	20.38	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	91475	20.69	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17694	20.03	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	67692	21.36	ug/l	100
94) Hexachlorobutadiene	13.79	225	29885	22.77	ug/l	98
95) Naphthalene	13.84	128	234904	21.27	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	69296	22.12	ug/l	99

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

