

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002595.D
 Acq On : 15 Jun 2018 12:28
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:11:58 PM

Quant Time: Jun 15 13:24:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 13:16:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	339671	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	68219	18.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.74%	
35) Dibromofluoromethane	5.51	113	52224	19.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.10%	
50) Toluene-d8	8.72	98	200627	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
62) 4-Bromofluorobenzene	11.14	95	73486	18.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49117	20.32	ug/l	97
3) Chloromethane	1.32	50	58950	18.54	ug/l	99
4) Vinyl Chloride	1.40	62	63586	20.88	ug/l	97
5) Bromomethane	1.64	94	35171	14.53	ug/l	99
6) Chloroethane	1.73	64	41587	21.11	ug/l	98
7) Trichlorofluoromethane	1.93	101	106976	23.05	ug/l	99
8) Diethyl Ether	2.19	74	38534	20.38	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	59209	23.64	ug/l	99
10) Methyl Iodide	2.51	142	63336	17.98	ug/l	99
11) Tert butyl alcohol	3.07	59	73780	99.04	ug/l	96
12) 1,1-Dichloroethene	2.37	96	54424	21.99	ug/l	99
13) Acrolein	2.29	56	34208	95.33	ug/l	97
14) Allyl chloride	2.73	41	105535	19.65	ug/l	98
15) Acrylonitrile	3.15	53	163310	102.99	ug/l	100
16) Acetone	2.45	43	156334	94.04	ug/l	99
17) Carbon Disulfide	2.57	76	122193	18.73	ug/l	98
18) Methyl Acetate	2.78	43	85488	21.80	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	198798	20.28	ug/l	99
20) Methylene Chloride	2.86	84	61795	18.71	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	57577	21.10	ug/l	97
22) Diisopropyl ether	3.87	45	182840	18.24	ug/l	93
23) Vinyl Acetate	3.83	43	765967	87.97	ug/l	100
24) 1,1-Dichloroethane	3.70	63	105205	19.82	ug/l	99
25) 2-Butanone	4.71	43	208678	91.55	ug/l	96
26) 2,2-Dichloropropane	4.59	77	71623	17.26	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	57586	19.40	ug/l	97
28) Bromochloromethane	5.03	49	47391	18.44	ug/l	99
29) Tetrahydrofuran	5.17	42	135835	92.43	ug/l	99
30) Chloroform	5.22	83	98835	19.29	ug/l	99
31) Cyclohexane	5.57	56	88313	21.04	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	84458	19.44	ug/l	99
36) 1,1-Dichloropropene	5.80	75	72653	20.35	ug/l	99
37) Ethyl Acetate	4.86	43	82700	19.26	ug/l	99
38) Carbon Tetrachloride	5.79	117	72491	19.40	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	87194	21.42	ug/l	98
40) Benzene	6.15	78	217247	19.84	ug/l	99
41) Methacrylonitrile	5.07	41	47392	19.28	ug/l	98
42) 1,2-Dichloroethane	6.20	62	84682	19.47	ug/l	98
43) Isopropyl Acetate	6.47	43	134928	18.50	ug/l	100
44) Trichloroethene	7.21	130	63076	20.76	ug/l	99
45) 1,2-Dichloropropane	7.52	63	55731	18.85	ug/l	96
46) Dibromomethane	7.67	93	38812	19.37	ug/l	98
47) Bromodichloromethane	7.90	83	67472	18.62	ug/l	99
48) Methyl methacrylate	7.78	41	69892	19.08	ug/l	99
49) 1,4-Dioxane	7.76	88	26825	391.57	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	447226	98.46	ug/l	99
52) Toluene	8.79	92	138422	19.88	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	79402	18.27	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	71316	17.39	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	56493	19.72	ug/l	99
56) Ethyl methacrylate	9.18	69	85337	18.66	ug/l	100
57) 1,3-Dichloropropane	9.37	76	94086	19.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	212237	100.28	ug/l	99
59) 2-Hexanone	9.50	43	338061	96.35	ug/l	100
60) Dibromochloromethane	9.59	129	51265	17.80	ug/l	100
61) 1,2-Dibromoethane	9.68	107	59001	19.76	ug/l	99
64) Tetrachloroethene	9.34	164	73245	22.16	ug/l	96
65) Chlorobenzene	10.14	112	159036	19.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	54219	18.77	ug/l	99
67) Ethyl Benzene	10.26	91	273808	20.51	ug/l	100
68) m/p-Xylenes	10.36	106	208432	40.17	ug/l	99
69) o-Xylene	10.70	106	103419	20.03	ug/l	98
70) Styrene	10.71	104	166919	19.77	ug/l	99
71) Bromoform	10.86	173	36695	16.03	ug/l #	100
73) Isopropylbenzene	11.02	105	278421	20.06	ug/l	100
74) N-amyl acetate	6.47	43	134928	18.04	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	80904	18.53	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	73847m	16.87	ug/l	
77) Bromobenzene	11.26	156	74289	19.07	ug/l	99
78) n-propylbenzene	11.37	91	320143	20.75	ug/l	100
79) 2-Chlorotoluene	11.43	91	188448	19.35	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	235566	19.79	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	18802	15.06	ug/l #	84
82) 4-Chlorotoluene	11.51	91	222285	19.77	ug/l	100
83) tert-Butylbenzene	11.77	119	226083	19.50	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	240470	19.62	ug/l	98
85) sec-Butylbenzene	11.95	105	285553	21.01	ug/l	100
86) p-Isopropyltoluene	12.07	119	254436	20.56	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	138294	19.85	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	140327	19.54	ug/l	100
89) n-Butylbenzene	12.39	91	223092	21.49	ug/l	100
90) Hexachloroethane	12.60	117	33237	16.82	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	137065	19.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16744	17.54	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	100240	19.83	ug/l	99
94) Hexachlorobutadiene	13.79	225	54472	21.81	ug/l	98
95) Naphthalene	13.84	128	281257	19.37	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	101823	19.75	ug/l	99

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

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