

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071318\
 Data File : VX003363.D
 Acq On : 13 Jul 2018 12:52
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:41 AM

Quant Time: Jul 13 14:46:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:46:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	387897	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230494	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	154374	36.80	ug/l	0.00
Spiked Amount			Recovery	=	73.60%	
35) Dibromofluoromethane	5.51	113	138164	33.15	ug/l	0.00
Spiked Amount			Recovery	=	66.30%	
50) Toluene-d8	8.72	98	485363	32.79	ug/l	0.00
Spiked Amount			Recovery	=	65.58%	
62) 4-Bromofluorobenzene	11.14	95	202172	36.96	ug/l	0.00
Spiked Amount			Recovery	=	73.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	112417	27.74	ug/l	100
3) Chloromethane	1.32	50	142749	38.75	ug/l	99
4) Vinyl Chloride	1.40	62	169920	44.94	ug/l	100
5) Bromomethane	1.64	94	71680	47.93	ug/l	97
6) Chloroethane	1.71	64	111119	53.04	ug/l	99
7) Trichlorofluoromethane	1.92	101	246455	43.85	ug/l	98
8) Diethyl Ether	2.19	74	109222	53.75	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	158366	48.12	ug/l	96
10) Methyl Iodide	2.51	142	170369	52.23	ug/l	94
11) Tert butyl alcohol	3.08	59	211384	277.97	ug/l	100
12) 1,1-Dichloroethene	2.37	96	144005	48.08	ug/l	91
13) Acrolein	2.29	56	70406	114.89	ug/l	99
14) Allyl chloride	2.73	41	285634	51.49	ug/l	88
15) Acrylonitrile	3.15	53	488738	287.82	ug/l	98
16) Acetone	2.45	43	383132	257.28	ug/l #	88
17) Carbon Disulfide	2.57	76	348889	41.92	ug/l	98
18) Methyl Acetate	2.78	43	245238	58.38	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	536363	53.61	ug/l	100
20) Methylene Chloride	2.85	84	171147	50.86	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	154485	48.39	ug/l	97
22) Diisopropyl ether	3.87	45	512853	45.44	ug/l	97
23) Vinyl Acetate	3.83	43	2129009	222.18	ug/l	96
24) 1,1-Dichloroethane	3.70	63	290129	49.39	ug/l	100
25) 2-Butanone	4.71	43	574021	217.84	ug/l	95
26) 2,2-Dichloropropane	4.59	77	203391	39.58	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	165494	42.18	ug/l	98
28) Bromochloromethane	5.02	49	137820	46.56	ug/l	91
29) Tetrahydrofuran	5.17	42	369168	215.85	ug/l	93
30) Chloroform	5.22	83	279917	43.32	ug/l	98
31) Cyclohexane	5.57	56	224746	40.86	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	238597	41.85	ug/l	98
36) 1,1-Dichloropropene	5.80	75	199566	36.34	ug/l	98
37) Ethyl Acetate	4.87	43	219886	36.53	ug/l	97
38) Carbon Tetrachloride	5.79	117	208580	34.72	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	227979	35.24	ug/l	95
40) Benzene	6.15	78	620040	38.10	ug/l	99
41) Methacrylonitrile	5.07	41	125548	38.10	ug/l	94
42) 1,2-Dichloroethane	6.20	62	218785	35.99	ug/l	97
43) Isopropyl Acetate	6.47	43	352172	37.26	ug/l	95
44) Trichloroethene	7.21	130	172834	35.92	ug/l	98
45) 1,2-Dichloropropane	7.52	63	164777	38.95	ug/l	99
46) Dibromomethane	7.67	93	107968	37.44	ug/l	99
47) Bromodichloromethane	7.90	83	207535	39.00	ug/l	100
48) Methyl methacrylate	7.78	41	181547	37.45	ug/l	88
49) 1,4-Dioxane	7.76	88	81538	804.35	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1195176	203.09	ug/l	93
52) Toluene	8.79	92	398713	38.76	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	251733	40.21	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	232903	40.87	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	170865	40.04	ug/l	98
56) Ethyl methacrylate	9.18	69	255707	43.75	ug/l #	86
57) 1,3-Dichloropropane	9.37	76	272678	39.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	638199	226.35	ug/l	99
59) 2-Hexanone	9.50	43	893318	199.85	ug/l	91
60) Dibromochloromethane	9.59	129	170242	38.21	ug/l	99
61) 1,2-Dibromoethane	9.68	107	172135	38.49	ug/l	100
64) Tetrachloroethene	9.34	164	188999	33.96	ug/l	97
65) Chlorobenzene	10.14	112	456153	36.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	170855	37.86	ug/l	99
67) Ethyl Benzene	10.26	91	776249	38.38	ug/l	99
68) m/p-Xylenes	10.36	106	598102	76.01	ug/l	98
69) o-Xylene	10.70	106	301044	39.49	ug/l	98
70) Styrene	10.71	104	515317	41.69	ug/l	97
71) Bromoform	10.86	173	137492	37.03	ug/l #	98
73) Isopropylbenzene	11.02	105	803718	44.16	ug/l	100
74) N-amyl acetate	6.47	43	352172	40.57	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	258588	45.81	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	227278m	45.63	ug/l	
77) Bromobenzene	11.26	156	223525	42.54	ug/l	98
78) n-propylbenzene	11.37	91	922698	45.60	ug/l	99
79) 2-Chlorotoluene	11.43	91	546472	44.33	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	681886	45.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	74064	48.59	ug/l	92
82) 4-Chlorotoluene	11.51	91	653595	45.41	ug/l	99
83) tert-Butylbenzene	11.77	119	659164	43.55	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	682679	43.99	ug/l	97
85) sec-Butylbenzene	11.95	105	786124	43.94	ug/l	100
86) p-Isopropyltoluene	12.07	119	702850	43.12	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	398093	41.30	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	407774	41.79	ug/l	99
89) n-Butylbenzene	12.39	91	590151	43.33	ug/l	100
90) Hexachloroethane	12.60	117	103835	41.72	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	396097	40.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52429	43.29	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	275759	39.15	ug/l	100
94) Hexachlorobutadiene	13.79	225	127562	36.38	ug/l	99
95) Naphthalene	13.83	128	830559	45.07	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	281429	40.06	ug/l	99

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

