

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004024.D
 Acq On : 14 Aug 2018 11:34
 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
 8/15/2018 4:49:51 PM

Quant Time: Aug 14 13:01:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 12:59:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	312050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	457210	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	425251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	261053	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	87735	21.21	ug/l	0.00
Spiked Amount			Recovery	=	42.42%	
35) Dibromofluoromethane	5.51	113	67931	19.61	ug/l	0.00
Spiked Amount			Recovery	=	39.22%	
50) Toluene-d8	8.71	98	276668	20.54	ug/l	0.00
Spiked Amount			Recovery	=	41.08%	
62) 4-Bromofluorobenzene	11.14	95	97649	22.40	ug/l	0.00
Spiked Amount			Recovery	=	44.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	62261	19.69	ug/l	99
3) Chloromethane	1.32	50	74332	17.28	ug/l	99
4) Vinyl Chloride	1.40	62	80789	18.83	ug/l	99
5) Bromomethane	1.64	94	42229	15.45	ug/l	99
6) Chloroethane	1.73	64	55581	20.25	ug/l	100
7) Trichlorofluoromethane	1.93	101	110823	19.56	ug/l	98
8) Diethyl Ether	2.18	74	47289	18.57	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68650	19.39	ug/l	100
10) Methyl Iodide	2.51	142	60804	13.80	ug/l	100
11) Tert butyl alcohol	3.04	59	89283	89.82	ug/l	98
12) 1,1-Dichloroethene	2.38	96	63131	18.85	ug/l	97
13) Acrolein	2.29	56	59742	109.04	ug/l	100
14) Allyl chloride	2.73	41	121019	18.74	ug/l	98
15) Acrylonitrile	3.14	53	215501	90.86	ug/l	100
16) Acetone	2.43	43	224317	91.15	ug/l	99
17) Carbon Disulfide	2.57	76	177363	17.36	ug/l	100
18) Methyl Acetate	2.77	43	95874	17.89	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	222735	18.77	ug/l	98
20) Methylene Chloride	2.86	84	77712	13.03	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	72361	19.03	ug/l	94
22) Diisopropyl ether	3.87	45	236229	19.90	ug/l	99
23) Vinyl Acetate	3.82	43	997670	101.03	ug/l	99
24) 1,1-Dichloroethane	3.70	63	134815	19.12	ug/l	100
25) 2-Butanone	4.69	43	366086	98.94	ug/l	100
26) 2,2-Dichloropropane	4.59	77	106606	20.97	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	81669	19.79	ug/l	98
28) Bromochloromethane	5.03	49	65493	21.71	ug/l	96
29) Tetrahydrofuran	5.15	42	182310	95.87	ug/l	99
30) Chloroform	5.22	83	132493	19.96	ug/l	100
31) Cyclohexane	5.58	56	115126	19.31	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	111032	19.95	ug/l	98
36) 1,1-Dichloropropene	5.81	75	101818	19.88	ug/l	98
37) Ethyl Acetate	4.85	43	110769	19.66	ug/l	99
38) Carbon Tetrachloride	5.78	117	98061	20.12	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	111977	18.55	ug/l	98
40) Benzene	6.15	78	307381	19.99	ug/l	100
41) Methacrylonitrile	5.06	41	60855	19.62	ug/l	99
42) 1,2-Dichloroethane	6.20	62	108126	20.80	ug/l	99
43) Isopropyl Acetate	6.46	43	160592	18.94	ug/l	99
44) Trichloroethene	7.21	130	81753	19.44	ug/l	95
45) 1,2-Dichloropropane	7.52	63	78780	19.84	ug/l	99
46) Dibromomethane	7.67	93	51350	19.92	ug/l	98
47) Bromodichloromethane	7.90	83	95071	19.58	ug/l	99
48) Methyl methacrylate	7.78	41	82548	19.16	ug/l	99
49) 1,4-Dioxane	7.76	88	38217	376.50	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	690420	98.26	ug/l	99
52) Toluene	8.79	92	195992	20.17	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	102831	18.73	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	115652	19.54	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	79328	19.98	ug/l	97
56) Ethyl methacrylate	9.18	69	105457	18.31	ug/l	99
57) 1,3-Dichloropropane	9.37	76	133272	20.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	295226	104.23	ug/l	100
59) 2-Hexanone	9.50	43	520830	99.17	ug/l	99
60) Dibromochloromethane	9.59	129	74985	20.26	ug/l	100
61) 1,2-Dibromoethane	9.68	107	82046	20.64	ug/l	99
64) Tetrachloroethene	9.34	164	78971	18.88	ug/l	96
65) Chlorobenzene	10.14	112	213122	19.26	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	72543	19.07	ug/l	97
67) Ethyl Benzene	10.26	91	345116	19.05	ug/l	96
68) m/p-Xylenes	10.36	106	278490	39.35	ug/l	100
69) o-Xylene	10.70	106	125930	18.85	ug/l	91
70) Styrene	10.71	104	228142	20.86	ug/l	96
71) Bromoform	10.86	173	55311	19.44	ug/l #	99
73) Isopropylbenzene	11.02	105	364625	18.88	ug/l	97
74) N-amyl acetate	6.46	43	160592	15.99	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	120932	18.27	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	105286m	18.26	ug/l	
77) Bromobenzene	11.26	156	96513	18.73	ug/l	99
78) n-propylbenzene	11.36	91	407175	18.78	ug/l	99
79) 2-Chlorotoluene	11.42	91	248351	18.78	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	303077	19.25	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	31616	16.71	ug/l	94
82) 4-Chlorotoluene	11.51	91	288155	18.60	ug/l	100
83) tert-Butylbenzene	11.77	119	292253	18.87	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	315328	19.92	ug/l	100
85) sec-Butylbenzene	11.95	105	350258	19.16	ug/l	98
86) p-Isopropyltoluene	12.07	119	318937	19.44	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	179011	18.80	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	184429	18.67	ug/l	99
89) n-Butylbenzene	12.39	91	231094	16.17	ug/l	100
90) Hexachloroethane	12.60	117	42331	15.89	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	160125	16.96	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20532	15.14	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	110346	16.25	ug/l	99
94) Hexachlorobutadiene	13.79	225	54164	17.03	ug/l	100
95) Naphthalene	13.83	128	332219	17.09	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	125726	18.56	ug/l	100

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

