

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
 Data File : VX006103.D
 Acq On : 19 Nov 2018 20:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 9:59:55 AM

Quant Time: Nov 20 01:19:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	140367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	205837	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	159649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	90274	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	68379	42.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.74%	
35) Dibromofluoromethane	5.51	113	59836	42.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.48%	
50) Toluene-d8	8.71	98	192470	41.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.70%	
62) 4-Bromofluorobenzene	11.14	95	74024	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	44901	35.48	ug/l	97
3) Chloromethane	1.32	50	60235	36.27	ug/l	96
4) Vinyl Chloride	1.41	62	58364	35.00	ug/l	99
5) Bromomethane	1.64	94	41191	40.37	ug/l	99
6) Chloroethane	1.71	64	42903	43.12	ug/l	100
7) Trichlorofluoromethane	1.93	101	84993	38.40	ug/l	89
8) Diethyl Ether	2.19	74	39924	46.04	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	54636	42.92	ug/l	98
10) Methyl Iodide	2.51	142	71140	46.11	ug/l	96
11) Tert butyl alcohol	3.07	59	95602	206.81	ug/l	98
12) 1,1-Dichloroethene	2.37	96	51273	41.33	ug/l	93
13) Acrolein	2.29	56	45153	208.31	ug/l	97
14) Allyl chloride	2.73	41	111716	40.32	ug/l	96
15) Acrylonitrile	3.15	53	218952	228.55	ug/l	100
16) Acetone	2.45	43	184376	212.21	ug/l	91
17) Carbon Disulfide	2.57	76	121574	32.85	ug/l	99
18) Methyl Acetate	2.78	43	113756	48.82	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	198307	46.83	ug/l	98
20) Methylene Chloride	2.86	84	61182	42.87	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	55449	42.37	ug/l	96
22) Diisopropyl ether	3.87	45	214124	44.11	ug/l	# 97
23) Vinyl Acetate	3.82	43	847699	203.68	ug/l	98
24) 1,1-Dichloroethane	3.70	63	112573	43.47	ug/l	99
25) 2-Butanone	4.70	43	302879	221.73	ug/l	100
26) 2,2-Dichloropropane	4.59	77	75271	39.62	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	68115	47.14	ug/l	92
28) Bromochloromethane	5.01	49	57832	49.97	ug/l	95
29) Tetrahydrofuran	5.15	42	197917	225.66	ug/l	97
30) Chloroform	5.21	83	109494	43.82	ug/l	99
31) Cyclohexane	5.57	56	89308	39.73	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	87013	41.75	ug/l	99
36) 1,1-Dichloropropene	5.80	75	79848	40.24	ug/l	98
37) Ethyl Acetate	4.86	43	106125	40.67	ug/l	99
38) Carbon Tetrachloride	5.78	117	71106	35.79	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	74621	37.10	ug/l	96
40) Benzene	6.15	78	234067	40.46	ug/l	98
41) Methacrylonitrile	5.06	41	61481	43.60	ug/l	97
42) 1,2-Dichloroethane	6.20	62	82318	39.73	ug/l	97
43) Isopropyl Acetate	6.46	43	156520	41.40	ug/l	96
44) Trichloroethene	7.21	130	65925	44.88	ug/l	96
45) 1,2-Dichloropropane	7.52	63	57349	40.85	ug/l	99
46) Dibromomethane	7.66	93	35908	40.76	ug/l	97
47) Bromodichloromethane	7.90	83	67593	40.59	ug/l	99
48) Methyl methacrylate	7.77	41	70426	41.48	ug/l	97
49) 1,4-Dioxane	7.75	88	30184	825.05	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	493948	207.28	ug/l	97
52) Toluene	8.79	92	128193	39.65	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	75036	38.19	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	82175	41.03	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	54813	38.04	ug/l	97
56) Ethyl methacrylate	9.18	69	83211	38.60	ug/l	96
57) 1,3-Dichloropropane	9.37	76	91774	37.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	243686	208.84	ug/l	99
59) 2-Hexanone	9.50	43	388636	185.02	ug/l	97
60) Dibromochloromethane	9.59	129	54209	34.81	ug/l	99
61) 1,2-Dibromoethane	9.67	107	56750	35.62	ug/l	99
64) Tetrachloroethene	9.34	164	56503	41.57	ug/l	98
65) Chlorobenzene	10.14	112	148097	46.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	51858	46.64	ug/l	99
67) Ethyl Benzene	10.25	91	251381	49.02	ug/l	99
68) m/p-Xylenes	10.36	106	193903	99.12	ug/l	99
69) o-Xylene	10.70	106	94233	53.72	ug/l	100
70) Styrene	10.71	104	160443	55.45	ug/l	99
71) Bromoform	10.86	173	45259	48.56	ug/l #	99
73) Isopropylbenzene	11.02	105	260956	49.99	ug/l	99
74) N-amyl acetate	10.90	43	120561	41.38	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91020	47.50	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	87478m	47.59	ug/l	
77) Bromobenzene	11.26	156	69217	47.04	ug/l	99
78) n-propylbenzene	11.36	91	300481	48.84	ug/l	99
79) 2-Chlorotoluene	11.42	91	177870	47.83	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	220599	49.73	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	26520	45.98	ug/l	96
82) 4-Chlorotoluene	11.51	91	210166	47.95	ug/l	99
83) tert-Butylbenzene	11.77	119	219380	48.88	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	230398	47.05	ug/l	100
85) sec-Butylbenzene	11.94	105	266861	48.62	ug/l	99
86) p-Isopropyltoluene	12.07	119	242545	49.89	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	129988	46.03	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	132401	45.80	ug/l	100
89) n-Butylbenzene	12.39	91	216316	48.01	ug/l	100
90) Hexachloroethane	12.60	117	34870	42.96	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	130749	46.22	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21476	45.93	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	101583	51.01	ug/l	99
94) Hexachlorobutadiene	13.79	225	47578	45.48	ug/l	98
95) Naphthalene	13.83	128	316289	48.73	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	103278	50.90	ug/l	100

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

