

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080618\
 Data File : VX003866.D
 Acq On : 06 Aug 2018 17:20
 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
 8/7/2018 1:12:50 PM

Quant Time: Aug 07 07:18:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 06:57:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	369599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	539307	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	465063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	95868	20.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.22%	
35) Dibromofluoromethane	5.50	113	79816	19.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.12%	
50) Toluene-d8	8.72	98	307910	19.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.06%	
62) 4-Bromofluorobenzene	11.14	95	91972	16.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	76032	20.95	ug/l	99
3) Chloromethane	1.32	50	98224	16.53	ug/l	99
4) Vinyl Chloride	1.40	62	99704	21.16	ug/l	98
5) Bromomethane	1.64	94	67189	26.47	ug/l	100
6) Chloroethane	1.72	64	68333	25.33	ug/l	95
7) Trichlorofluoromethane	1.93	101	130052	21.53	ug/l	99
8) Diethyl Ether	2.19	74	57723	21.93	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	80000	20.91	ug/l	100
10) Methyl Iodide	2.51	142	97630	19.10	ug/l	100
11) Tert butyl alcohol	3.07	59	115671	109.83	ug/l	99
12) 1,1-Dichloroethene	2.37	96	75457	20.38	ug/l	95
13) Acrolein	2.29	56	61951	77.22	ug/l	99
14) Allyl chloride	2.73	41	148422	21.52	ug/l	99
15) Acrylonitrile	3.15	53	270467	107.79	ug/l	100
16) Acetone	2.45	43	280704	109.12	ug/l	100
17) Carbon Disulfide	2.57	76	213210	20.38	ug/l	98
18) Methyl Acetate	2.78	43	122870	20.85	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	273309	21.35	ug/l	100
20) Methylene Chloride	2.86	84	92927	20.69	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	84091	20.61	ug/l	97
22) Diisopropyl ether	3.87	45	265561	20.22	ug/l	99
23) Vinyl Acetate	3.82	43	1122638	103.15	ug/l	100
24) 1,1-Dichloroethane	3.70	63	160095	21.51	ug/l	100
25) 2-Butanone	4.71	43	424639	99.21	ug/l	100
26) 2,2-Dichloropropane	4.59	77	115440	22.56	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	92736	20.12	ug/l	98
28) Bromochloromethane	5.02	49	73431	21.29	ug/l	99
29) Tetrahydrofuran	5.17	42	217725	99.81	ug/l	100
30) Chloroform	5.21	83	153286	20.06	ug/l	98
31) Cyclohexane	5.57	56	133144	20.64	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	127896	20.06	ug/l	98
36) 1,1-Dichloropropene	5.80	75	113588	19.45	ug/l	100
37) Ethyl Acetate	4.87	43	128406	19.31	ug/l	99
38) Carbon Tetrachloride	5.78	117	111450	19.20	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	133089	19.92	ug/l	98
40) Benzene	6.15	78	353026	19.73	ug/l	99
41) Methacrylonitrile	5.06	41	70330	19.59	ug/l	99
42) 1,2-Dichloroethane	6.20	62	119055	19.89	ug/l	100
43) Isopropyl Acetate	6.47	43	191476	19.19	ug/l	99
44) Trichloroethene	7.21	130	93892	19.44	ug/l	94
45) 1,2-Dichloropropane	7.52	63	90397	19.52	ug/l	99
46) Dibromomethane	7.67	93	57931	19.48	ug/l	100
47) Bromodichloromethane	7.90	83	110078	19.59	ug/l	98
48) Methyl methacrylate	7.78	41	98257	19.49	ug/l	100
49) 1,4-Dioxane	7.76	88	47874	401.28	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	824056	99.14	ug/l	100
52) Toluene	8.79	92	224656	20.31	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	123194	20.03	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	136445	20.33	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	90501	19.49	ug/l	100
56) Ethyl methacrylate	9.18	69	129772	19.94	ug/l	99
57) 1,3-Dichloropropane	9.37	76	152864	20.27	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	339995	102.28	ug/l	100
59) 2-Hexanone	9.50	43	607371	95.82	ug/l	100
60) Dibromochloromethane	9.59	129	81937	18.15	ug/l	99
61) 1,2-Dibromoethane	9.68	107	87845	18.57	ug/l	98
64) Tetrachloroethene	9.34	164	88813	20.63	ug/l	96
65) Chlorobenzene	10.14	112	230649	19.89	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	82297	20.23	ug/l	97
67) Ethyl Benzene	10.26	91	394972	21.18	ug/l	97
68) m/p-Xylenes	10.36	106	293970	40.43	ug/l	96
69) o-Xylene	10.70	106	147581	21.13	ug/l	96
70) Styrene	10.71	104	244465	21.27	ug/l	97
71) Bromoform	10.86	173	57371	17.35	ug/l #	99
73) Isopropylbenzene	11.02	105	356870	21.27	ug/l	97
74) N-amyl acetate	6.47	43	191476	23.28	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	120838	20.56	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	108887m	21.38	ug/l	
77) Bromobenzene	11.26	156	93431	20.39	ug/l	100
78) n-propylbenzene	11.36	91	409370	21.91	ug/l	99
79) 2-Chlorotoluene	11.42	91	242728	21.27	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	294582	21.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	34460	21.11	ug/l	99
82) 4-Chlorotoluene	11.51	91	285907	21.64	ug/l	100
83) tert-Butylbenzene	11.77	119	294755	21.22	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	303363	21.47	ug/l	98
85) sec-Butylbenzene	11.94	105	350030	21.55	ug/l	100
86) p-Isopropyltoluene	12.07	119	315301	21.56	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	172797	20.14	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	177871	20.09	ug/l	99
89) n-Butylbenzene	12.39	91	263073	20.85	ug/l	99
90) Hexachloroethane	12.60	117	48743	20.55	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	174832	20.01	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	25104	19.37	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	120898	19.52	ug/l	100
94) Hexachlorobutadiene	13.79	225	55010	18.37	ug/l	100
95) Naphthalene	13.83	128	368856	20.53	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	123847	19.32	ug/l	100

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

