

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006590.D
 Acq On : 18 Dec 2018 11:38
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:21:58 AM

Quant Time: Dec 19 00:52:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:31:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	602272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	942789	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	867380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	448448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	135494	20.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.74%	
35) Dibromofluoromethane	5.50	113	119102	19.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.96%	
50) Toluene-d8	8.71	98	453942	20.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.40%	
62) 4-Bromofluorobenzene	11.13	95	170408	20.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	107575	19.525	ug/l	99
3) Chloromethane	1.33	50	116827	19.681	ug/l	95
4) Vinyl Chloride	1.41	62	125307	20.212	ug/l	96
5) Bromomethane	1.64	94	125978	18.689	ug/l	99
6) Chloroethane	1.72	64	80845	18.833	ug/l	95
7) Trichlorofluoromethane	1.93	101	198040	20.489	ug/l	95
8) Diethyl Ether	2.19	74	75774	19.738	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	113717	20.038	ug/l	100
10) Methyl Iodide	2.51	142	162379	19.988	ug/l	99
11) Tert butyl alcohol	3.07	59	151348	104.477	ug/l	99
12) 1,1-Dichloroethene	2.37	96	106006	19.700	ug/l	98
13) Acrolein	2.29	56	94304	96.499	ug/l	98
14) Allyl chloride	2.73	41	178226	19.677	ug/l	98
15) Acrylonitrile	3.15	53	327812	101.919	ug/l	99
16) Acetone	2.45	43	306615	102.816	ug/l	98
17) Carbon Disulfide	2.57	76	261545	18.366	ug/l	100
18) Methyl Acetate	2.78	43	174997	19.956	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	366773	20.536	ug/l	99
20) Methylene Chloride	2.85	84	122120	19.803	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	112261	18.828	ug/l	97
22) Diisopropyl ether	3.87	45	333091	20.101	ug/l	99
23) Vinyl Acetate	3.82	43	1327644	97.951	ug/l	99
24) 1,1-Dichloroethane	3.70	63	197336	19.949	ug/l	98
25) 2-Butanone	4.70	43	422478	100.714	ug/l	100
26) 2,2-Dichloropropane	4.59	77	146601	19.186	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	130735	19.874	ug/l	99
28) Bromochloromethane	5.02	49	89827	19.751	ug/l	98
29) Tetrahydrofuran	5.15	42	271403	98.233	ug/l	99
30) Chloroform	5.21	83	203615	19.877	ug/l	98
31) Cyclohexane	5.57	56	177248	19.724	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	173176	20.022	ug/l	99
36) 1,1-Dichloropropene	5.80	75	152751	19.562	ug/l	98
37) Ethyl Acetate	4.85	43	157102	19.330	ug/l	99
38) Carbon Tetrachloride	5.78	117	142197	18.738	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196896	19.153	ug/l	97
40) Benzene	6.14	78	468898	19.755	ug/l	100
41) Methacrylonitrile	5.06	41	83734	18.334	ug/l	95
42) 1,2-Dichloroethane	6.20	62	156847	19.393	ug/l	100
43) Isopropyl Acetate	6.46	43	241231	19.508	ug/l	100
44) Trichloroethene	7.21	130	136305	18.974	ug/l	96
45) 1,2-Dichloropropane	7.52	63	113427	19.638	ug/l	98
46) Dibromomethane	7.66	93	82339	19.381	ug/l	98
47) Bromodichloromethane	7.90	83	133355	18.906	ug/l	96
48) Methyl methacrylate	7.77	41	126567	20.127	ug/l	100
49) 1,4-Dioxane	7.75	88	66854	375.744	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	806479	102.501	ug/l	99
52) Toluene	8.78	92	305125	19.899	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	140663	18.594	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	160173	19.297	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	124478	19.833	ug/l	99
56) Ethyl methacrylate	9.18	69	175788	19.816	ug/l	99
57) 1,3-Dichloropropane	9.37	76	201863	19.990	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	478408	101.454	ug/l	99
59) 2-Hexanone	9.49	43	623841	103.628	ug/l	99
60) Dibromochloromethane	9.58	129	109147	18.880	ug/l	100
61) 1,2-Dibromoethane	9.67	107	133637	20.029	ug/l	100
64) Tetrachloroethene	9.34	164	133309	19.409	ug/l	98
65) Chlorobenzene	10.14	112	356946	19.452	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	113733	19.865	ug/l	98
67) Ethyl Benzene	10.25	91	585490	19.526	ug/l	100
68) m/p-Xylenes	10.36	106	472267	39.914	ug/l	99
69) o-Xylene	10.70	106	231641	19.825	ug/l	99
70) Styrene	10.71	104	369981	20.015	ug/l	99
71) Bromoform	10.86	173	77161	17.703	ug/l	99
73) Isopropylbenzene	11.02	105	611436	19.930	ug/l	99
74) N-amyl acetate	10.90	43	218321	19.881	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	182064	19.954	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	173069m	21.786	ug/l	
77) Bromobenzene	11.26	156	163078	19.662	ug/l	99
78) n-propylbenzene	11.36	91	666770	19.736	ug/l	99
79) 2-Chlorotoluene	11.42	91	403115	19.690	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	506993	20.064	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40318	17.328	ug/l	91
82) 4-Chlorotoluene	11.51	91	462795	19.706	ug/l	99
83) tert-Butylbenzene	11.77	119	499889	19.766	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	519451	19.544	ug/l	99
85) sec-Butylbenzene	11.94	105	614659	19.823	ug/l	100
86) p-Isopropyltoluene	12.06	119	546155	20.037	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	293704	19.648	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	294660	19.206	ug/l	98
89) n-Butylbenzene	12.39	91	452760	19.518	ug/l	100
90) Hexachloroethane	12.60	117	68532	18.457	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	290235	19.409	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34096	18.060	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	194090	18.817	ug/l	98
94) Hexachlorobutadiene	13.78	225	88434	18.189	ug/l	100
95) Naphthalene	13.83	128	622489	18.908	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	198448	18.634	ug/l	99

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

