

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005824.D
 Acq On : 07 Nov 2018 12:58
 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
 11/8/2018 10:35:24 AM

Quant Time: Nov 07 14:13:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:01:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	127261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	172631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	168953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	75710	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	28480	15.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.62%	
35) Dibromofluoromethane	5.50	113	23191	19.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.80%	
50) Toluene-d8	8.71	98	77814	18.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.12%	
62) 4-Bromofluorobenzene	11.14	95	25025	16.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	23068	15.691	ug/l	98
3) Chloromethane	1.32	50	27469	15.841	ug/l	98
4) Vinyl Chloride	1.40	62	29925	16.587	ug/l	96
5) Bromomethane	1.64	94	15967	7.132	ug/l	98
6) Chloroethane	1.73	64	17588	13.425	ug/l	97
7) Trichlorofluoromethane	1.93	101	38720	16.721	ug/l	98
8) Diethyl Ether	2.18	74	15073	14.481	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	22127	15.731	ug/l	100
10) Methyl Iodide	2.51	142	25617	20.408	ug/l	99
11) Tert butyl alcohol	3.07	59	38476	76.148	ug/l	99
12) 1,1-Dichloroethene	2.37	96	20533	14.980	ug/l	91
13) Acrolein	2.29	56	17945	54.116	ug/l	99
14) Allyl chloride	2.73	41	46030	16.241	ug/l	96
15) Acrylonitrile	3.15	53	85648	77.084	ug/l	99
16) Acetone	2.45	43	77342	72.981	ug/l	93
17) Carbon Disulfide	2.57	76	61076	14.501	ug/l	97
18) Methyl Acetate	2.78	43	42920	16.074	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	69832	14.718	ug/l	99
20) Methylene Chloride	2.85	84	24603	15.334	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	22424	15.461	ug/l	83
22) Diisopropyl ether	3.87	45	83957	15.969	ug/l #	95
23) Vinyl Acetate	3.82	43	365601	79.836	ug/l	99
24) 1,1-Dichloroethane	3.70	63	45383	15.266	ug/l	99
25) 2-Butanone	4.70	43	118491	75.496	ug/l	95
26) 2,2-Dichloropropane	4.59	77	33709	15.168	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	24912	15.286	ug/l	97
28) Bromochloromethane	5.02	49	19974	13.772	ug/l	100
29) Tetrahydrofuran	5.15	42	77378	80.773	ug/l	100
30) Chloroform	5.21	83	43826	15.078	ug/l	93
31) Cyclohexane	5.58	56	39471	15.877	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	35948	15.454	ug/l	99
36) 1,1-Dichloropropene	5.80	75	32807	17.837	ug/l	98
37) Ethyl Acetate	4.86	43	43410	18.500	ug/l	99
38) Carbon Tetrachloride	5.78	117	32225	19.393	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	31726	16.540	ug/l	87
40) Benzene	6.13	78	94973	17.357	ug/l	99
41) Methacrylonitrile	5.05	41	22578	17.808	ug/l	99
42) 1,2-Dichloroethane	6.20	62	35372	17.489	ug/l	99
43) Isopropyl Acetate	6.46	43	61926	18.183	ug/l	99
44) Trichloroethene	7.21	130	23153	18.295	ug/l	83
45) 1,2-Dichloropropane	7.52	63	22229	15.853	ug/l	99
46) Dibromomethane	7.66	93	14498	16.178	ug/l	97
47) Bromodichloromethane	7.90	83	26587	15.817	ug/l	96
48) Methyl methacrylate	7.77	41	26405	16.019	ug/l	99
49) 1,4-Dioxane	7.75	88	12330	335.919	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	214094	92.192	ug/l	91
52) Toluene	8.79	92	58702	19.834	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	31145	17.097	ug/l #	87
54) cis-1,3-Dichloropropene	8.44	75	33276	17.050	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	24446	19.019	ug/l #	90
56) Ethyl methacrylate	9.18	69	34605	17.822	ug/l	97
57) 1,3-Dichloropropane	9.37	76	41534	18.812	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	91458	83.340	ug/l	100
59) 2-Hexanone	9.49	43	179522	94.993	ug/l	96
60) Dibromochloromethane	9.59	129	26582	21.402	ug/l	97
61) 1,2-Dibromoethane	9.67	107	27473	20.976	ug/l	100
64) Tetrachloroethene	9.34	164	28103	22.768	ug/l	97
65) Chlorobenzene	10.14	112	70431	19.617	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	22822	18.569	ug/l	95
67) Ethyl Benzene	10.25	91	102580	16.741	ug/l	95
68) m/p-Xylenes	10.36	106	81933	35.985	ug/l	98
69) o-Xylene	10.70	106	36669	16.839	ug/l	95
70) Styrene	10.71	104	63017	17.423	ug/l	96
71) Bromoform	10.85	173	17817	17.892	ug/l #	99
73) Isopropylbenzene	11.02	105	98919	19.804	ug/l	96
74) N-amyl acetate	10.90	43	50262	18.900	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	31537	15.219	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	32170m	17.060	ug/l	
77) Bromobenzene	11.26	156	24546	19.810	ug/l	99
78) n-propylbenzene	11.36	91	107911	17.759	ug/l	99
79) 2-Chlorotoluene	11.42	91	63987	17.631	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	78844	18.590	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	10471	17.941	ug/l	97
82) 4-Chlorotoluene	11.51	91	76200	17.587	ug/l	99
83) tert-Butylbenzene	11.77	119	75260	18.598	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	81121	18.942	ug/l	100
85) sec-Butylbenzene	11.94	105	93364	17.986	ug/l	100
86) p-Isopropyltoluene	12.07	119	84300	19.095	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	45897	19.157	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	46572	18.095	ug/l	98
89) n-Butylbenzene	12.39	91	73669	16.539	ug/l	100
90) Hexachloroethane	12.60	117	13079	16.699	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	45540	18.195	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7816	16.081	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	33674	20.977	ug/l	99
94) Hexachlorobutadiene	13.79	225	17160	22.096	ug/l	99
95) Naphthalene	13.83	128	100381	19.014	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	34926	21.371	ug/l	99

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

