

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008181.D
 Acq On : 19 Mar 2019 10:44
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 10:26:46 AM

Quant Time: Mar 19 11:44:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 11:34:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	286531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	472911	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	420449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192365	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	77343	17.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.26%	
35) Dibromofluoromethane	5.50	113	57016	17.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.98%	
50) Toluene-d8	8.71	98	217900	17.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.80%	
62) 4-Bromofluorobenzene	11.13	95	75675	17.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	69802	18.609	ug/l	97
3) Chloromethane	1.33	50	82222	19.355	ug/l	98
4) Vinyl Chloride	1.41	62	84423	18.978	ug/l	100
5) Bromomethane	1.64	94	53880	14.094	ug/l	98
6) Chloroethane	1.73	64	51191	19.211	ug/l	97
7) Trichlorofluoromethane	1.93	101	104002	18.947	ug/l	97
8) Diethyl Ether	2.19	74	58708	18.826	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	73893	18.787	ug/l	89
10) Methyl Iodide	2.51	142	92127	17.685	ug/l	97
11) Tert butyl alcohol	3.04	59	91470	92.605	ug/l	97
12) 1,1-Dichloroethene	2.38	96	68704	18.427	ug/l	90
13) Acrolein	2.29	56	67419	100.646	ug/l	98
14) Allyl chloride	2.73	41	151074	18.190	ug/l	92
15) Acrylonitrile	3.14	53	247473	93.881	ug/l	99
16) Acetone	2.45	43	256043	99.556	ug/l	96
17) Carbon Disulfide	2.57	76	212770	18.290	ug/l	99
18) Methyl Acetate	2.78	43	117743	18.740	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	249997	18.279	ug/l	97
20) Methylene Chloride	2.86	84	79786	18.729	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	73847	18.686	ug/l	93
22) Diisopropyl ether	3.86	45	299015	18.339	ug/l	90
23) Vinyl Acetate	3.82	43	1300923	90.483	ug/l	97
24) 1,1-Dichloroethane	3.70	63	152264	18.553	ug/l	99
25) 2-Butanone	4.67	43	372658	94.384	ug/l	97
26) 2,2-Dichloropropane	4.59	77	110641	17.710	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	83780	18.459	ug/l	91
28) Bromochloromethane	5.02	49	68032	19.725	ug/l	82
29) Tetrahydrofuran	5.13	42	234595	92.216	ug/l	97
30) Chloroform	5.21	83	142385	18.472	ug/l	100
31) Cyclohexane	5.59	56	145239	18.112	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	117544	18.154	ug/l	96
36) 1,1-Dichloropropene	5.80	75	107835	18.237	ug/l	97
37) Ethyl Acetate	4.84	43	137146	18.623	ug/l	97
38) Carbon Tetrachloride	5.79	117	98154	18.163	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	131647	18.004	ug/l	91
40) Benzene	6.15	78	328114	18.516	ug/l	98
41) Methacrylonitrile	5.04	41	73943	17.928	ug/l	95
42) 1,2-Dichloroethane	6.20	62	122075	19.044	ug/l	95
43) Isopropyl Acetate	6.45	43	211424	17.922	ug/l	97
44) Trichloroethene	7.21	130	78373	18.582	ug/l	86
45) 1,2-Dichloropropane	7.51	63	91887	18.855	ug/l	98
46) Dibromomethane	7.66	93	54705	18.599	ug/l #	86
47) Bromodichloromethane	7.90	83	105546	18.126	ug/l	98
48) Methyl methacrylate	7.77	41	112319	18.102	ug/l	93
49) 1,4-Dioxane	7.74	88	39094	383.959	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	714887	95.053	ug/l	97
52) Toluene	8.78	92	196603	18.852	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	117163	17.433	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	129950	17.699	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	79908	18.595	ug/l	97
56) Ethyl methacrylate	9.18	69	128991	17.916	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	142003	18.714	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	288944	86.246	ug/l	93
59) 2-Hexanone	9.49	43	554147	96.654	ug/l	95
60) Dibromochloromethane	9.58	129	75439	17.699	ug/l	99
61) 1,2-Dibromoethane	9.67	107	83453	18.689	ug/l	99
64) Tetrachloroethene	9.34	164	74835	18.512	ug/l	96
65) Chlorobenzene	10.14	112	203636	18.351	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	71227	17.906	ug/l	97
67) Ethyl Benzene	10.25	91	365542	18.093	ug/l	97
68) m/p-Xylenes	10.36	106	266239	35.922	ug/l	92
69) o-Xylene	10.70	106	128825	17.838	ug/l	92
70) Styrene	10.71	104	213291	18.045	ug/l	95
71) Bromoform	10.85	173	53365	17.205	ug/l	99
73) Isopropylbenzene	11.02	105	349446	18.483	ug/l	99
74) N-amyl acetate	10.90	43	184611	18.359	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	126970	19.541	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	111958m	19.602	ug/l	
77) Bromobenzene	11.26	156	81721	18.422	ug/l	83
78) n-propylbenzene	11.36	91	404600	18.047	ug/l	96
79) 2-Chlorotoluene	11.42	91	241869	18.570	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	288420	18.313	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	37861	17.467	ug/l	87
82) 4-Chlorotoluene	11.51	91	278689	18.304	ug/l	94
83) tert-Butylbenzene	11.77	119	266939	18.044	ug/l	91
84) 1,2,4-Trimethylbenzene	11.80	105	295324	18.422	ug/l	97
85) sec-Butylbenzene	11.94	105	341030	18.237	ug/l	95
86) p-Isopropyltoluene	12.06	119	293842	18.126	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	146663	18.486	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	148179	18.656	ug/l	97
89) n-Butylbenzene	12.38	91	267475	17.352	ug/l	96
90) Hexachloroethane	12.60	117	49062	17.604	ug/l	81
91) 1,2-Dichlorobenzene	12.39	146	147564	18.664	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26457	17.947	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93491	17.585	ug/l	99
94) Hexachlorobutadiene	13.78	225	47736	18.382	ug/l	99
95) Naphthalene	13.83	128	306270	17.479	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	94126	17.864	ug/l	98

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

