

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008411.D
 Acq On : 25 Mar 2019 14:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:46:30 AM

Quant Time: Mar 26 04:42:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:13:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	190890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	329048	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	60166	20.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.66%	
35) Dibromofluoromethane	5.49	113	44572	20.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.90%	
50) Toluene-d8	8.71	98	174766	20.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.32%	
62) 4-Bromofluorobenzene	11.13	95	63507	20.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	42557	19.792	ug/l	99
3) Chloromethane	1.32	50	59262	18.693	ug/l	98
4) Vinyl Chloride	1.40	62	60278	19.386	ug/l	98
5) Bromomethane	1.64	94	28502	14.948	ug/l	97
6) Chloroethane	1.72	64	38527	20.904	ug/l	98
7) Trichlorofluoromethane	1.93	101	68760	19.500	ug/l	97
8) Diethyl Ether	2.18	74	32697	19.321	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	41023	19.581	ug/l	100
10) Methyl Iodide	2.51	142	34499	13.651	ug/l	100
11) Tert butyl alcohol	3.04	59	62939	97.141	ug/l	99
12) 1,1-Dichloroethene	2.37	96	42709	19.679	ug/l	96
13) Acrolein	2.29	56	44710	84.731	ug/l	100
14) Allyl chloride	2.73	41	92111	19.251	ug/l	99
15) Acrylonitrile	3.14	53	160980	97.613	ug/l	99
16) Acetone	2.44	43	152319	104.741	ug/l	100
17) Carbon Disulfide	2.57	76	128442	18.561	ug/l	99
18) Methyl Acetate	2.77	43	69226	19.154	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	156471	20.042	ug/l	99
20) Methylene Chloride	2.85	84	51349	19.606	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	45324	19.355	ug/l	98
22) Diisopropyl ether	3.85	45	189282	20.282	ug/l	98
23) Vinyl Acetate	3.81	43	838834	101.919	ug/l	100
24) 1,1-Dichloroethane	3.70	63	94396	19.858	ug/l	99
25) 2-Butanone	4.67	43	237897	99.842	ug/l	99
26) 2,2-Dichloropropane	4.59	77	62660	20.320	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	52615	19.606	ug/l	99
28) Bromochloromethane	5.01	49	51473	22.008	ug/l	100
29) Tetrahydrofuran	5.13	42	155464	98.741	ug/l	99
30) Chloroform	5.21	83	85055	19.832	ug/l	99
31) Cyclohexane	5.58	56	89655	19.704	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	68288	20.083	ug/l	99
36) 1,1-Dichloropropene	5.80	75	65340	19.463	ug/l	99
37) Ethyl Acetate	4.83	43	89408	19.761	ug/l	99
38) Carbon Tetrachloride	5.79	117	55544	19.253	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	80477	19.542	ug/l	97
40) Benzene	6.14	78	204599	19.988	ug/l	99
41) Methacrylonitrile	5.04	41	49572	20.057	ug/l	99
42) 1,2-Dichloroethane	6.19	62	73351	19.742	ug/l	100
43) Isopropyl Acetate	6.45	43	138894	19.661	ug/l	100
44) Trichloroethene	7.21	130	45646	19.187	ug/l	95
45) 1,2-Dichloropropane	7.51	63	57792	19.941	ug/l	100
46) Dibromomethane	7.66	93	32993	19.222	ug/l	100
47) Bromodichloromethane	7.90	83	64660	19.716	ug/l	98
48) Methyl methacrylate	7.77	41	71011	19.854	ug/l	99
49) 1,4-Dioxane	7.74	88	28854	399.613	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	462163	99.303	ug/l	100
52) Toluene	8.79	92	120084	19.958	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	69849	19.768	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	79184	19.835	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	49757	19.911	ug/l	99
56) Ethyl methacrylate	9.18	69	89521	20.207	ug/l	99
57) 1,3-Dichloropropane	9.37	76	88007	19.806	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	233240	98.544	ug/l	99
59) 2-Hexanone	9.49	43	358923	99.955	ug/l	100
60) Dibromochloromethane	9.58	129	46804	20.156	ug/l	98
61) 1,2-Dibromoethane	9.67	107	50883	20.086	ug/l	99
64) Tetrachloroethene	9.33	164	37927	19.956	ug/l	97
65) Chlorobenzene	10.14	112	122656	20.084	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	42563	20.084	ug/l	98
67) Ethyl Benzene	10.25	91	228858	19.972	ug/l	100
68) m/p-Xylenes	10.36	106	167790	40.757	ug/l	100
69) o-Xylene	10.70	106	82267	20.434	ug/l	100
70) Styrene	10.71	104	142485	20.402	ug/l	100
71) Bromoform	10.85	173	31935	19.438	ug/l #	98
73) Isopropylbenzene	11.02	105	218600	20.449	ug/l	100
74) N-amyl acetate	10.90	43	125502	20.053	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	82981	19.534	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	77810m	21.938	ug/l	
77) Bromobenzene	11.26	156	50878	20.043	ug/l	99
78) n-propylbenzene	11.36	91	255459	20.403	ug/l	100
79) 2-Chlorotoluene	11.42	91	153514	20.069	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	184920	20.328	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	23148	18.650	ug/l	90
82) 4-Chlorotoluene	11.51	91	175019	19.892	ug/l	100
83) tert-Butylbenzene	11.77	119	179849	20.815	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	186170	20.482	ug/l	99
85) sec-Butylbenzene	11.94	105	212784	20.474	ug/l	99
86) p-Isopropyltoluene	12.06	119	188613	20.591	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	91164	20.014	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	91256	19.662	ug/l	99
89) n-Butylbenzene	12.38	91	174423	19.964	ug/l	99
90) Hexachloroethane	12.60	117	29865	19.698	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	91532	19.793	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18153	20.084	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	61255	19.597	ug/l	99
94) Hexachlorobutadiene	13.78	225	29262	19.829	ug/l	98
95) Naphthalene	13.83	128	222497	20.435	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	63609	20.261	ug/l	99

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

