

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019711.D
 Acq On : 04 Dec 2020 11:12
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:56:12 AM

Quant Time: Dec 04 13:23:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 13:12:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	344631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	560574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	511345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	246939	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	22373	4.90	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	9.80%#
35) Dibromofluoromethane	5.46	113	17947	4.89	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	9.78%#
50) Toluene-d8	8.70	98	68017	4.84	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	9.68%#
62) 4-Bromofluorobenzene	11.12	95	24938	4.68	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	9.36%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	15605	4.632	ug/l 96
3) Chloromethane	1.31	50	19044	4.115	ug/l 99
4) Vinyl Chloride	1.39	62	20131	4.834	ug/l 96
5) Bromomethane	1.62	94	7213	4.850	ug/l 97
6) Chloroethane	1.70	64	12648	2.388	ug/l 99
7) Trichlorofluoromethane	1.91	101	27929	4.854	ug/l 95
8) Diethyl Ether	2.17	74	11697	4.837	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	15779	4.621	ug/l 97
10) Methyl Iodide	2.49	142	22395	4.786	ug/l 99
11) Tert butyl alcohol	3.01	59	32746	32.333	ug/l 95
12) 1,1-Dichloroethene	2.36	96	15828	4.625	ug/l 97
13) Acrolein	2.27	56	14465	24.843	ug/l 94
14) Allyl chloride	2.71	41	26596	4.833	ug/l 98
15) Acrylonitrile	3.11	53	53038	25.056	ug/l 98
16) Acetone	2.42	43	43172	23.466	ug/l 100
17) Carbon Disulfide	2.55	76	44319	4.774	ug/l 100
18) Methyl Acetate	2.75	43	21283	4.605	ug/l 99
19) Methyl tert-butyl Ether	3.17	73	58296	4.832	ug/l 99
20) Methylene Chloride	2.83	84	22950	4.883	ug/l 97
21) trans-1,2-Dichloroethene	3.14	96	18874	4.881	ug/l 98
22) Diisopropyl ether	3.82	45	55397	4.862	ug/l 98
23) Vinyl Acetate	3.78	43	232006	24.183	ug/l 100
24) 1,1-Dichloroethane	3.67	63	34064	4.935	ug/l 99
25) 2-Butanone	4.64	43	66601	24.494	ug/l 100
26) 2,2-Dichloropropane	4.55	77	28208	4.896	ug/l 100
27) cis-1,2-Dichloroethene	4.56	96	22211	4.930	ug/l 91
28) Bromochloromethane	4.98	49	15496	4.925	ug/l 98
29) Tetrahydrofuran	5.09	42	43435	24.978	ug/l 99
30) Chloroform	5.18	83	34433	4.856	ug/l 99
31) Cyclohexane	5.54	56	28670	4.751	ug/l 94
32) 1,1,1-Trichloroethane	5.46	97	29072	4.803	ug/l 99
36) 1,1-Dichloropropene	5.76	75	25815	4.981	ug/l 99
37) Ethyl Acetate	4.79	43	26844	5.172	ug/l 99
38) Carbon Tetrachloride	5.75	117	24638	4.787	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	29136	4.783	ug/l	97
40) Benzene	6.11	78	80885	5.005	ug/l	99
41) Methacrylonitrile	5.00	41	14269	4.967	ug/l	99
42) 1,2-Dichloroethane	6.16	62	27561	4.964	ug/l	100
43) Isopropyl Acetate	6.41	43	42123	4.902	ug/l	99
44) Trichloroethene	7.18	130	20668	4.896	ug/l	98
45) 1,2-Dichloropropane	7.48	63	20085	4.941	ug/l	95
46) Dibromomethane	7.63	93	13248	4.859	ug/l	99
47) Bromodichloromethane	7.87	83	25214	4.665	ug/l	99
48) Methyl methacrylate	7.74	41	20254	4.769	ug/l	97
49) 1,4-Dioxane	7.72	88	9900	101.402	ug/l	95
51) 4-Methyl-2-Pentanone	8.62	43	129906	24.747	ug/l	100
52) Toluene	8.76	92	50274	4.996	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	27258	4.599	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	30117	4.649	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	20114	4.942	ug/l	98
56) Ethyl methacrylate	9.16	69	27799	4.548	ug/l	98
57) 1,3-Dichloropropane	9.35	76	34712	5.040	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	76829	23.990	ug/l	100
59) 2-Hexanone	9.47	43	101055	25.449	ug/l	98
60) Dibromochloromethane	9.56	129	19376	4.635	ug/l	99
61) 1,2-Dibromoethane	9.65	107	20771	4.859	ug/l	98
64) Tetrachloroethene	9.32	164	17440	4.939	ug/l	97
65) Chlorobenzene	10.12	112	52033	4.908	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	18220	4.730	ug/l	97
67) Ethyl Benzene	10.23	91	91513	4.894	ug/l	99
68) m/p-Xylenes	10.34	106	67817	9.699	ug/l	100
69) o-Xylene	10.68	106	32757	4.826	ug/l	99
70) Styrene	10.70	104	54357	4.775	ug/l	98
71) Bromoform	10.84	173	13252	4.445	ug/l #	99
73) Isopropylbenzene	11.00	105	87371	5.081	ug/l	99
74) N-amyl acetate	10.88	43	33679	4.878	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	31997	5.138	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	29907m	5.284	ug/l	
77) Bromobenzene	11.24	156	22240	4.990	ug/l	100
78) n-propylbenzene	11.34	91	96887	4.887	ug/l	99
79) 2-Chlorotoluene	11.40	91	61795	5.124	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	73287	5.039	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	8630	4.265	ug/l	90
82) 4-Chlorotoluene	11.49	91	70512	5.016	ug/l	98
83) tert-Butylbenzene	11.75	119	69694	4.840	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	71942	4.895	ug/l	100
85) sec-Butylbenzene	11.93	105	79103	4.837	ug/l	100
86) p-Isopropyltoluene	12.05	119	71790	4.757	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	40138	4.950	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	40984	4.948	ug/l	94
89) n-Butylbenzene	12.37	91	60719	4.592	ug/l	99
90) Hexachloroethane	12.58	117	12187	4.749	ug/l	94
91) 1,2-Dichlorobenzene	12.37	146	40289	5.075	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	6422	4.882	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	22662	4.405	ug/l	97
94) Hexachlorobutadiene	13.76	225	10715	4.908	ug/l	99
95) Naphthalene	13.82	128	74974	4.491	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	22905	4.488	ug/l	99

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

