

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014008.D
 Acq On : 13 Dec 2019 15:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:45:57 PM

Quant Time: Dec 13 16:52:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	545654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	828804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	741012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	367559	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	33805	5.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.66%	
35) Dibromofluoromethane	5.49	113	26664	5.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.36%	
50) Toluene-d8	8.71	98	102565	5.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.18%	
62) 4-Bromofluorobenzene	11.14	95	36096	4.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	24364	4.177	ug/l	95
3) Chloromethane	1.32	50	32958	4.882	ug/l	98
4) Vinyl Chloride	1.40	62	33048	4.426	ug/l	96
5) Bromomethane	1.62	94	28015	5.484	ug/l	98
6) Chloroethane	1.70	64	22012	5.056	ug/l	90
7) Trichlorofluoromethane	1.91	101	41691	4.878	ug/l	97
8) Diethyl Ether	2.18	74	20281	5.251	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26670	5.131	ug/l	99
10) Methyl Iodide	2.50	142	23278	3.687	ug/l #	93
11) Tert butyl alcohol	3.06	59	40816	26.858	ug/l	95
12) 1,1-Dichloroethene	2.36	96	26582	5.128	ug/l	97
13) Acrolein	2.28	56	18499	20.678	ug/l	97
14) Allyl chloride	2.72	41	44423	4.726	ug/l	92
15) Acrylonitrile	3.13	53	80244	25.111	ug/l	98
16) Acetone	2.44	43	90499	27.556	ug/l	99
17) Carbon Disulfide	2.56	76	73698	4.977	ug/l	100
18) Methyl Acetate	2.76	43	38611	4.546	ug/l	94
19) Methyl tert-butyl Ether	3.19	73	85734	4.983	ug/l	99
20) Methylene Chloride	2.84	84	32935	5.469	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	29051	5.135	ug/l	98
22) Diisopropyl ether	3.84	45	94564	5.200	ug/l	93
23) Vinyl Acetate	3.80	43	382949	25.363	ug/l	99
24) 1,1-Dichloroethane	3.69	63	51625	5.193	ug/l	98
25) 2-Butanone	4.67	43	122725	26.185	ug/l	99
26) 2,2-Dichloropropane	4.57	77	37559	4.585	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	31265	4.815	ug/l	93
28) Bromochloromethane	5.01	49	12112	3.451	ug/l	92
29) Tetrahydrofuran	5.12	42	67887	24.029	ug/l	95
30) Chloroform	5.20	83	48299	4.800	ug/l	95
31) Cyclohexane	5.56	56	46374	4.935	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	40943	4.872	ug/l	99
36) 1,1-Dichloropropene	5.79	75	37031	4.919	ug/l	98
37) Ethyl Acetate	4.83	43	41790	4.976	ug/l	99
38) Carbon Tetrachloride	5.77	117	32620	4.697	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.45	83	44709	4.796	ug/l	98
40) Benzene	6.13	78	117634	5.119	ug/l	98
41) Methacrylonitrile	5.04	41	21299	4.646	ug/l #	58
42) 1,2-Dichloroethane	6.19	62	41725	5.333	ug/l	97
43) Isopropyl Acetate	6.43	43	68104	4.909	ug/l	97
44) Trichloroethene	7.20	130	32022	5.096	ug/l	93
45) 1,2-Dichloropropane	7.51	63	30292	5.259	ug/l	100
46) Dibromomethane	7.65	93	18520	4.751	ug/l	95
47) Bromodichloromethane	7.89	83	34707	4.711	ug/l	96
48) Methyl methacrylate	7.76	41	31789	4.726	ug/l	95
49) 1,4-Dioxane	7.74	88	15607	105.356	ug/l #	88
51) 4-Methyl-2-Pentanone	8.64	43	225793	25.920	ug/l	97
52) Toluene	8.78	92	73375	5.133	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	35229	4.203	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	41221	4.498	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	28600	4.972	ug/l	97
56) Ethyl methacrylate	9.17	69	43557	4.702	ug/l	99
57) 1,3-Dichloropropane	9.37	76	49837	5.020	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	86243	23.748	ug/l	99
59) 2-Hexanone	9.49	43	174409	25.443	ug/l	98
60) Dibromochloromethane	9.57	129	26591	4.470	ug/l	99
61) 1,2-Dibromoethane	9.67	107	28498	4.644	ug/l	92
64) Tetrachloroethene	9.33	164	30947	5.412	ug/l	98
65) Chlorobenzene	10.14	112	79345	5.128	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	26889	4.854	ug/l	98
67) Ethyl Benzene	10.25	91	133408	5.024	ug/l	97
68) m/p-Xylenes	10.36	106	102703	10.088	ug/l	98
69) o-Xylene	10.70	106	51045	5.141	ug/l	99
70) Styrene	10.71	104	79726	4.760	ug/l	95
71) Bromoform	10.85	173	19246	4.212	ug/l #	100
73) Isopropylbenzene	11.01	105	131468	5.092	ug/l	99
74) N-amyl acetate	10.89	43	58191	4.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	46256	5.175	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	41405m	5.030	ug/l	
77) Bromobenzene	11.25	156	35322	5.076	ug/l	98
78) n-propylbenzene	11.35	91	138951	4.813	ug/l	100
79) 2-Chlorotoluene	11.42	91	87285	5.026	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	107560	5.069	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	11240	3.743	ug/l #	80
82) 4-Chlorotoluene	11.51	91	100237	4.999	ug/l	99
83) tert-Butylbenzene	11.77	119	107592	5.033	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	107624	5.001	ug/l	100
85) sec-Butylbenzene	11.94	105	121785	4.950	ug/l	99
86) p-Isopropyltoluene	12.06	119	112360	4.916	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	61034	5.022	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	62413	5.035	ug/l	95
89) n-Butylbenzene	12.39	91	87635	4.490	ug/l	99
90) Hexachloroethane	12.59	117	18579	4.485	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	63473	5.270	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	9746	5.056	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	36670	4.408	ug/l	97
94) Hexachlorobutadiene	13.78	225	18145	4.507	ug/l	96
95) Naphthalene	13.83	128	104752	4.239	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	37168	4.492	ug/l	98

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

