

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014111.D
 Acq On : 19 Dec 2019 10:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/20/2019 10:12:31 AM

Quant Time: Dec 20 01:14:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	598872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	884120	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	799622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	403699	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	319531	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	5.48	113	263164	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	8.71	98	1032961	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.13	95	366709	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	255009	47.597	ug/l	98
3) Chloromethane	1.32	50	337837	46.986	ug/l	99
4) Vinyl Chloride	1.40	62	361580	47.659	ug/l	99
5) Bromomethane	1.63	94	231799	43.047	ug/l	100
6) Chloroethane	1.72	64	224685	47.984	ug/l	94
7) Trichlorofluoromethane	1.92	101	451046	48.026	ug/l	98
8) Diethyl Ether	2.18	74	205594	46.644	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	279240	49.324	ug/l	100
10) Methyl Iodide	2.50	142	364125	48.836	ug/l	100
11) Tert butyl alcohol	3.03	59	305188	208.092	ug/l	99
12) 1,1-Dichloroethene	2.36	96	275606	47.842	ug/l	100
13) Acrolein	2.28	56	235738	280.798	ug/l	100
14) Allyl chloride	2.72	41	501571	48.764	ug/l	100
15) Acrylonitrile	3.13	53	821497	239.983	ug/l	99
16) Acetone	2.43	43	900574	204.376	ug/l	100
17) Carbon Disulfide	2.56	76	737430	46.168	ug/l	100
18) Methyl Acetate	2.76	43	415961	47.638	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	904929	47.804	ug/l	100
20) Methylene Chloride	2.84	84	311717	44.922	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	293471	46.241	ug/l	98
22) Diisopropyl ether	3.84	45	1020397	49.783	ug/l	94
23) Vinyl Acetate	3.80	43	4309685	257.655	ug/l	100
24) 1,1-Dichloroethane	3.69	63	541248	47.463	ug/l	100
25) 2-Butanone	4.65	43	1245093	229.187	ug/l	98
26) 2,2-Dichloropropane	4.57	77	429981	48.564	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	339059	47.238	ug/l	99
28) Bromochloromethane	5.00	49	221694	50.545	ug/l	98
29) Tetrahydrofuran	5.11	42	729776	240.167	ug/l	98
30) Chloroform	5.20	83	520733	48.170	ug/l	99
31) Cyclohexane	5.56	56	507741	50.061	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	441925	47.966	ug/l	99
36) 1,1-Dichloropropene	5.79	75	406051	50.054	ug/l	99
37) Ethyl Acetate	4.81	43	443634	49.522	ug/l	100
38) Carbon Tetrachloride	5.77	117	379244	51.317	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	519760	51.889	ug/l	98
40) Benzene	6.13	78	1237207	49.566	ug/l	99
41) Methacrylonitrile	5.02	41	254678	51.238	ug/l	96
42) 1,2-Dichloroethane	6.18	62	418957	49.516	ug/l	100
43) Isopropyl Acetate	6.43	43	736691	49.691	ug/l	100
44) Trichloroethene	7.20	130	334712	48.549	ug/l	100
45) 1,2-Dichloropropane	7.50	63	326519	51.038	ug/l	98
46) Dibromomethane	7.65	93	206700	48.868	ug/l	99
47) Bromodichloromethane	7.89	83	409154	51.361	ug/l	98
48) Methyl methacrylate	7.76	41	369758	50.933	ug/l	98
49) 1,4-Dioxane	7.73	88	138933	940.418	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2285545	245.476	ug/l	99
52) Toluene	8.78	92	782921	49.625	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	454340	52.014	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	510930	52.504	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	314525	49.741	ug/l	99
56) Ethyl methacrylate	9.17	69	500147	50.354	ug/l	100
57) 1,3-Dichloropropane	9.36	76	531245	49.935	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	925526	246.224	ug/l	100
59) 2-Hexanone	9.48	43	1787934	238.547	ug/l	99
60) Dibromochloromethane	9.57	129	329334	52.398	ug/l	99
61) 1,2-Dibromoethane	9.67	107	325134	50.255	ug/l	99
64) Tetrachloroethene	9.33	164	336098	47.501	ug/l	99
65) Chlorobenzene	10.14	112	834814	49.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	305266	50.285	ug/l	99
67) Ethyl Benzene	10.24	91	1493624	51.098	ug/l	98
68) m/p-Xylenes	10.35	106	1132200	100.708	ug/l	99
69) o-Xylene	10.70	106	551088	49.981	ug/l	99
70) Styrene	10.71	104	947927	50.842	ug/l	99
71) Bromoform	10.85	173	248272	50.878	ug/l #	100
73) Isopropylbenzene	11.01	105	1458722	51.321	ug/l	100
74) N-amyl acetate	10.89	43	658159	49.399	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	481984	48.912	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	389371m	44.427	ug/l	
77) Bromobenzene	11.25	156	373183	47.720	ug/l	99
78) n-propylbenzene	11.35	91	1680512	52.710	ug/l	100
79) 2-Chlorotoluene	11.42	91	974793	50.298	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1226011	51.252	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	161488	52.007	ug/l	98
82) 4-Chlorotoluene	11.51	91	1131397	50.328	ug/l	99
83) tert-Butylbenzene	11.76	119	1194347	51.305	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1238271	51.690	ug/l	99
85) sec-Butylbenzene	11.94	105	1442815	52.500	ug/l	99
86) p-Isopropyltoluene	12.06	119	1332159	52.992	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	660826	48.214	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	670077	48.081	ug/l	99
89) n-Butylbenzene	12.38	91	1168290	54.466	ug/l	100
90) Hexachloroethane	12.59	117	229583	50.845	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	668645	48.462	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	98387	45.118	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	449361	50.109	ug/l	99
94) Hexachlorobutadiene	13.77	225	211773	49.137	ug/l	97
95) Naphthalene	13.83	128	1325925	50.325	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	449410	50.767	ug/l	100

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

