

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033300.D
 Acq On : 13 Mar 2019 17:12
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:41:40 PM

Quant Time: Mar 14 00:02:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 14 00:02:54 2019
 QLast Update : Wed Mar 13 17:31:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	823068	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1904676	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2181697	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1641243	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	212828	1.280	ppbv	98
3) Chlorodifluoromethane	3.01	51	223757	2.050	ppbv	99
4) Chloromethane	3.17	50	121468	2.081	ppbv	97
5) Vinyl Chloride	3.29	62	111482	1.956	ppbv	95
6) Bromomethane	3.52	94	69181	1.987	ppbv	100
7) Chloroethane	3.60	64	41817	2.029	ppbv #	88
8) Dichlorotetrafluoroethane	3.22	85	282208	2.008	ppbv	100
9) Propene	3.04	41	100684	2.023	ppbv	100
10) Heptane	8.24	43	268349	2.394	ppbv	99
11) Trichlorofluoromethane	4.00	101	313415	1.905	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	212114	2.253	ppbv	97
13) Ethanol	3.65	45	40754	2.684	ppbv	99
14) Bromoethene	3.79	108	87573	1.994	ppbv	97
15) Acetone	3.90	43	251140	1.989	ppbv	97
16) 1,3-Butadiene	3.36	39	93765	2.057	ppbv	90
17) tert-Butyl alcohol	4.36	59	39048m	2.305	ppbv	
18) 1,1-Dichloroethene	4.35	96	93391	2.241	ppbv	92
19) Isopropyl Alcohol	4.03	45	143306	1.878	ppbv #	98
20) Methylene Chloride	4.41	84	100147	2.386	ppbv	89
21) Allyl Chloride	4.48	41	136614	2.177	ppbv	97
22) trans-1,2-Dichloroethene	4.96	96	94435	2.124	ppbv	84
23) Vinyl Acetate	5.15	43	337439	2.133	ppbv	99
24) 1,1-Dichloroethane	5.09	63	242864	2.117	ppbv	99
25) Ethyl Acetate	5.77	43	434377	2.233	ppbv	98
26) Hexane	5.78	57	210602	2.306	ppbv	93
27) Carbon Disulfide	4.62	76	207939	2.146	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	280835	2.167	ppbv	99
29) Chloroform	5.84	83	309130	2.225	ppbv	98
30) Cyclohexane	7.25	84	153107	2.163	ppbv	87
31) cis-1,2-Dichloroethene	5.64	61	191368	2.186	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	286349	2.115	ppbv	98
34) 2-Butanone	5.33	43	276065	2.192	ppbv	100
35) Carbon Tetrachloride	7.13	117	295371	2.122	ppbv	98
36) Benzene	7.00	78	391925	2.231	ppbv	99
37) 1,2-Dichloroethane	6.41	62	226707	2.152	ppbv	98
38) Trichloroethene	7.96	130	159436	2.328	ppbv	97
39) 1,2-Dichloropropane	7.73	63	159440	2.412	ppbv	99
40) 1,4-Dioxane	7.97	88	62481m	2.511	ppbv	
41) Tetrahydrofuran	6.15	42	151396	2.165	ppbv	99
42) Bromodichloromethane	7.91	83	349311	2.408	ppbv	97
43) Methyl Methacrylate	8.14	69	169940	2.482	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033300.D
 Acq On : 13 Mar 2019 17:12
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:41:40 PM

Quant Time: Mar 14 00:02:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 14 00:02:54 2019
 QLast Update : Wed Mar 13 17:31:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	727470	2.438	ppbv	100
45) t-1,3-Dichloropropene	9.41	75	190707	2.266	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	233548	2.367	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	169790	2.405	ppbv	97
48) Dibromochloromethane	10.44	129	268499	2.320	ppbv	99
49) Bromoform	13.20	173	214417	2.286	ppbv	98
50) 4-Methyl-2-Pentanone	8.87	43	436440	2.428	ppbv	100
51) 2-Hexanone	10.27	43	327874	2.390	ppbv	99
52) Tetrachloroethene	11.37	164	150728	2.341	ppbv	90
53) Toluene	9.95	91	482423	2.383	ppbv	100
54) 1,2-Dibromoethane	10.76	107	261000	2.406	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	200453	2.161	ppbv #	1
57) Chlorobenzene	12.30	112	356686	2.168	ppbv	97
58) Ethyl Benzene	12.86	91	645588	2.153	ppbv	100
59) m/p-Xylene	13.12	91	1082151m	4.316	ppbv	
60) o-Xylene	13.85	91	524310	2.175	ppbv	99
61) Styrene	13.68	104	366372	2.134	ppbv	99
62) Isopropylbenzene	14.83	105	722372	2.151	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	351521	2.176	ppbv	100
64) n-propylbenzene	15.72	120	180838	2.188	ppbv	98
65) tert-Butylbenzene	16.91	119	621386	2.192	ppbv	98
66) Benzyl Chloride	17.15	91	215769m	1.965	ppbv	
67) sec-Butylbenzene	17.46	105	888688	2.202	ppbv	98
69) p-Isopropyltoluene	17.81	119	712788	2.187	ppbv	99
70) n-Butylbenzene	18.71	91	738188	2.109	ppbv	100
71) 2-Chlorotoluene	15.61	91	540052	2.133	ppbv	99
72) 4-Ethyltoluene	16.00	105	561020	2.155	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	503175	2.051	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	514270	2.058	ppbv #	94
75) 1,3-Dichlorobenzene	17.16	146	331694	2.215	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	315321	2.129	ppbv	98
77) 1,2-Dichlorobenzene	17.98	146	323131m	2.168	ppbv	
78) Hexachloro-1,3-Butadiene	23.54	225	245344	1.975	ppbv	100
79) Naphthalene	22.42	128	372438m	1.377	ppbv	
80) Naphthalene,2-methyl-	25.12	142	22682	0.306	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	227054m	1.594	ppbv	

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

