

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012819\
 Data File : VL033115.D
 Acq On : 28 Jan 2019 16:22
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

apatel
 1/29/2019 2:35:59 PM

Quant Time: Jan 28 17:10:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 28 2019
 QLast Update : Mon Jan 28 16:32:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1137729	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3034163	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2906497	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2121752	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	601623	2.841	ppbv	97
3) Chlorodifluoromethane	3.01	51	332844	2.584	ppbv	99
4) Chloromethane	3.16	50	181338	2.458	ppbv	100
5) Vinyl Chloride	3.29	62	194929	2.617	ppbv	100
6) Bromomethane	3.51	94	120027	2.372	ppbv	97
7) Chloroethane	3.60	64	68035	2.335	ppbv	93
8) Dichlorotetrafluoroethane	3.22	85	483709	2.652	ppbv	98
9) Propene	3.03	41	128538	2.672	ppbv	98
10) Heptane	8.25	43	318905	2.328	ppbv	98
11) Trichlorofluoromethane	4.00	101	521907	2.231	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	352548	2.383	ppbv	99
13) Ethanol	3.65	45	47692m	2.486	ppbv	
14) Bromoethene	3.79	108	149729	2.291	ppbv	100
15) Acetone	3.90	43	351222	2.230	ppbv	95
16) 1,3-Butadiene	3.36	39	134828	2.270	ppbv	99
17) tert-Butyl alcohol	4.36	59	75196	2.254	ppbv	98
18) 1,1-Dichloroethene	4.35	96	161205	2.366	ppbv	97
19) Isopropyl Alcohol	4.03	45	226405	2.088	ppbv #	96
20) Methylene Chloride	4.41	84	168357	2.564	ppbv	98
21) Allyl Chloride	4.47	41	237507	2.434	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	152751	2.261	ppbv	95
23) Vinyl Acetate	5.15	43	476493	2.378	ppbv	99
24) 1,1-Dichloroethane	5.08	63	383325	2.254	ppbv	98
25) Ethyl Acetate	5.77	43	607772	2.283	ppbv	99
26) Hexane	5.78	57	299209	2.387	ppbv	97
27) Carbon Disulfide	4.62	76	379026	2.452	ppbv	96
28) Methyl tert-Butyl Ether	5.11	73	452616	2.314	ppbv	100
29) Chloroform	5.84	83	468668	2.194	ppbv	98
30) Cyclohexane	7.25	84	225657	2.415	ppbv	87
31) cis-1,2-Dichloroethene	5.63	61	260689	2.240	ppbv	92
32) 1,1,1-Trichloroethane	6.61	97	481102	2.219	ppbv	99
34) 2-Butanone	5.33	43	384594	2.182	ppbv	100
35) Carbon Tetrachloride	7.13	117	531729	2.040	ppbv	99
36) Benzene	7.00	78	554876	2.233	ppbv	95
37) 1,2-Dichloroethane	6.41	62	349881	2.016	ppbv	100
38) Trichloroethene	7.95	130	229263	2.242	ppbv	88
39) 1,2-Dichloropropane	7.73	63	200789	2.150	ppbv	94
40) 1,4-Dioxane	7.96	88	78722m	2.221	ppbv	
41) Tetrahydrofuran	6.15	42	196428	2.189	ppbv	99
42) Bromodichloromethane	7.91	83	506034	2.123	ppbv	92
43) Methyl Methacrylate	8.14	69	207972	2.230	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	948641	2.254	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	246275	2.121	ppbv	97
46) cis-1,3-Dichloropropene	8.83	75	300342	2.267	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	234512	2.150	ppbv	97
48) Dibromochloromethane	10.45	129	421524	2.187	ppbv	97
49) Bromoform	13.20	173	362824m	2.155	ppbv	
50) 4-Methyl-2-Pentanone	8.87	43	521162	2.333	ppbv	99
51) 2-Hexanone	10.27	43	364161	2.253	ppbv #	97
52) Tetrachloroethene	11.37	164	193510	2.203	ppbv	97
53) Toluene	9.94	91	607452	2.281	ppbv	98
54) 1,2-Dibromoethane	10.76	107	336294	2.140	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.28	131	319912	2.130	ppbv #	1
57) Chlorobenzene	12.30	112	509830	2.102	ppbv	97
58) Ethyl Benzene	12.86	91	816925	2.226	ppbv	98
59) m/p-Xylene	13.12	91	1513576m	4.459	ppbv	
60) o-Xylene	13.85	91	724477	2.180	ppbv	97
61) Styrene	13.68	104	476002	2.245	ppbv	98
62) Isopropylbenzene	14.83	105	1026995	2.171	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	519937	2.106	ppbv	99
64) n-propylbenzene	15.72	120	256060	2.131	ppbv	94
65) tert-Butylbenzene	16.90	119	904676m	2.159	ppbv	
66) Benzyl Chloride	17.15	91	469579	1.967	ppbv	100
67) sec-Butylbenzene	17.46	105	1284888	2.143	ppbv	99
69) p-Isopropyltoluene	17.81	119	1046609	2.151	ppbv	99
70) n-Butylbenzene	18.71	91	1021073	2.087	ppbv	97
71) 2-Chlorotoluene	15.62	91	733130	2.186	ppbv	98
72) 4-Ethyltoluene	16.00	105	782550	2.143	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	753203	2.090	ppbv	96
74) 1,2,4-Trimethylbenzene	16.92	105	813328	2.038	ppbv	97
75) 1,3-Dichlorobenzene	17.16	146	466785	1.987	ppbv	98
76) 1,4-Dichlorobenzene	17.31	146	431373	2.016	ppbv	98
77) 1,2-Dichlorobenzene	17.99	146	437241	2.067	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	234205	1.441	ppbv	99
79) Naphthalene	22.41	128	517503m	1.539	ppbv	
80) Naphthalene, 2-methyl-	25.12	142	109080	1.069	ppbv	94
81) 1,2,4-Trichlorobenzene	22.14	180	253440	1.561	ppbv	100

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

