

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033280.D
 Acq On : 12 Mar 2019 10:04
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:05:56 AM

Quant Time: Mar 13 08:04:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 14 08:04:36 2019
 QLast Update : Wed Mar 13 07:17:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	908463	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2139836	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2230681m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1723968	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1633194	8.902	ppbv	99
3) Chlorodifluoromethane	3.01	51	1021806	8.480	ppbv	100
4) Chloromethane	3.17	50	552684	8.579	ppbv	100
5) Vinyl Chloride	3.29	62	525237	8.348	ppbv	97
6) Bromomethane	3.51	94	336858	8.765	ppbv	98
7) Chloroethane	3.60	64	200154	8.797	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1291485	8.327	ppbv	100
9) Propene	3.04	41	464870	8.462	ppbv	99
10) Heptane	8.25	43	1184033	9.569	ppbv	100
11) Trichlorofluoromethane	4.00	101	1505511	8.290	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	974529	9.376	ppbv	100
13) Ethanol	3.65	45	96627	5.765	ppbv	95
14) Bromoethene	3.79	108	423682	8.740	ppbv	99
15) Acetone	3.90	43	1084517	7.782	ppbv	100
16) 1,3-Butadiene	3.36	39	438123	8.707	ppbv	99
17) tert-Butyl alcohol	4.36	59	180125	9.632	ppbv	100
18) 1,1-Dichloroethene	4.35	96	439603	9.555	ppbv	94
19) Isopropyl Alcohol	4.02	45	629487	7.474	ppbv	100
20) Methylene Chloride	4.41	84	378466	8.168	ppbv	96
21) Allyl Chloride	4.48	41	696402	10.052	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	452692	9.227	ppbv	96
23) Vinyl Acetate	5.15	43	1730278	9.909	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1156647	9.134	ppbv	99
25) Ethyl Acetate	5.77	43	1970892	9.178	ppbv	100
26) Hexane	5.78	57	887427	8.804	ppbv	99
27) Carbon Disulfide	4.62	76	1102058	10.305	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1368935	9.570	ppbv	100
29) Chloroform	5.85	83	1468180	9.574	ppbv	99
30) Cyclohexane	7.25	84	752650	9.631	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	927816	9.602	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1437635	9.621	ppbv	99
34) 2-Butanone	5.33	43	1316837	9.306	ppbv	99
35) Carbon Tetrachloride	7.13	117	1492275	9.544	ppbv	99
36) Benzene	7.00	78	1856800	9.409	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1107117	9.354	ppbv	100
38) Trichloroethene	7.96	130	698860	9.085	ppbv	99
39) 1,2-Dichloropropane	7.74	63	712359	9.592	ppbv	97
40) 1,4-Dioxane	7.95	88	224977	8.049	ppbv	# 1
41) Tetrahydrofuran	6.14	42	751942	9.572	ppbv	99
42) Bromodichloromethane	7.92	83	1614215	9.906	ppbv	98
43) Methyl Methacrylate	8.14	69	767908	9.983	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3075963	9.176	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1027856	10.870	ppbv	97
46) cis-1,3-Dichloropropene	8.84	75	1204993	10.872	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	753108	9.497	ppbv	98
48) Dibromochloromethane	10.45	129	1346820	10.358	ppbv	99
49) Bromoform	13.20	173	1184123	11.236	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1952355	9.668	ppbv	99
51) 2-Hexanone	10.27	43	1591787	10.326	ppbv	99
52) Tetrachloroethene	11.37	164	681365	9.419	ppbv	98
53) Toluene	9.95	91	2246585	9.876	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1215340	9.971	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	945580	9.972	ppbv #	60
57) Chlorobenzene	12.30	112	1612625	9.586	ppbv	98
58) Ethyl Benzene	12.86	91	3038532	9.912	ppbv	98
59) m/p-Xylene	13.13	91	5069120m	19.774	ppbv	
60) o-Xylene	13.85	91	2437354	9.890	ppbv	99
61) Styrene	13.69	104	1863062	10.614	ppbv	100
62) Isopropylbenzene	14.83	105	3420746	9.961	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1653207	10.007	ppbv	99
64) n-propylbenzene	15.72	120	863919	10.224	ppbv	98
65) tert-Butylbenzene	16.91	119	2954474	10.193	ppbv	99
66) Benzyl Chloride	17.16	91	1526591	13.597	ppbv	99
67) sec-Butylbenzene	17.46	105	4201881	10.185	ppbv	99
69) p-Isopropyltoluene	17.82	119	3436458	10.311	ppbv	100
70) n-Butylbenzene	18.72	91	3650363	10.200	ppbv	99
71) 2-Chlorotoluene	15.62	91	2650815	10.240	ppbv	100
72) 4-Ethyltoluene	16.00	105	2825510	10.614	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2661523	10.610	ppbv	96
74) 1,2,4-Trimethylbenzene	16.93	105	2713127	10.620	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1562599	10.205	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1565492	10.339	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1503606	9.864	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1215107	9.568	ppbv	100
79) Naphthalene	22.42	128	2977090	10.764	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	1671495	22.058	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1417404	9.735	ppbv	100

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

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