

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030819\
 Data File : VL033263.D
 Acq On : 8 Mar 2019 17:14
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSV030819

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 10:10:50 AM

Quant Time: Mar 09 04:49:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Mar 09 04:49:08 2019
 QLast Update : Sat Mar 09 03:32:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	938792	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2199903	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2357580m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1778030	9.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1663661	9.374	ppbv	100
3) Chlorodifluoromethane	3.01	51	1019937	9.579	ppbv	99
4) Chloromethane	3.17	50	551220	9.936	ppbv	98
5) Vinyl Chloride	3.29	62	534373	9.607	ppbv	99
6) Bromomethane	3.52	94	336464	9.836	ppbv	97
7) Chloroethane	3.60	64	204217	10.154	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1298908	9.364	ppbv	98
9) Propene	3.04	41	472548	10.059	ppbv	98
10) Heptane	8.25	43	1258496	9.810	ppbv	99
11) Trichlorofluoromethane	4.00	101	1479140	9.541	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	983578	9.656	ppbv	100
13) Ethanol	3.65	45	99057	7.286	ppbv	96
14) Bromoethene	3.79	108	427501	10.223	ppbv	99
15) Acetone	3.90	43	1023233	9.185	ppbv	99
16) 1,3-Butadiene	3.36	39	489910	10.602	ppbv	100
17) tert-Butyl alcohol	4.36	59	175610	9.666	ppbv	99
18) 1,1-Dichloroethene	4.35	96	440514	9.877	ppbv	97
19) Isopropyl Alcohol	4.02	45	604747	9.041	ppbv	99
20) Methylene Chloride	4.41	84	386653	8.456	ppbv	95
21) Allyl Chloride	4.48	41	694647	10.382	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	459285	10.041	ppbv	97
23) Vinyl Acetate	5.16	43	1685123	10.559	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1168166	9.971	ppbv	98
25) Ethyl Acetate	5.77	43	1984192	9.326	ppbv	100
26) Hexane	5.78	57	889510	8.873	ppbv	99
27) Carbon Disulfide	4.62	76	1125568	11.086	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1356534	10.533	ppbv	99
29) Chloroform	5.85	83	1469035	9.602	ppbv	99
30) Cyclohexane	7.25	84	759851	9.790	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	943732	9.938	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1449671	10.034	ppbv	99
34) 2-Butanone	5.33	43	1326774	9.976	ppbv	99
35) Carbon Tetrachloride	7.13	117	1514243	10.141	ppbv	97
36) Benzene	7.01	78	1922089	10.149	ppbv	96
37) 1,2-Dichloroethane	6.41	62	1127384	9.245	ppbv	100
38) Trichloroethene	7.96	130	732492	9.967	ppbv	98
39) 1,2-Dichloropropane	7.74	63	746133	10.034	ppbv	96
40) 1,4-Dioxane	7.95	88	257915	9.411	ppbv	# 1
41) Tetrahydrofuran	6.15	42	779918	10.379	ppbv	99
42) Bromodichloromethane	7.92	83	1685008	10.144	ppbv	98
43) Methyl Methacrylate	8.14	69	800962	10.512	ppbv	99

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44) 2,2,4-Trimethylpentane	7.99	57	3243623	9.637	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1052008	11.400	ppbv	97
46) cis-1,3-Dichloropropene	8.83	75	1191272	10.968	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	782997	9.811	ppbv	96
48) Dibromochloromethane	10.45	129	1378577	10.536	ppbv	98
49) Bromoform	13.20	173	1191908	10.236	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1971832	9.799	ppbv	100
51) 2-Hexanone	10.27	43	1546345	10.309	ppbv #	100
52) Tetrachloroethene	11.37	164	695439	9.855	ppbv	99
53) Toluene	9.95	91	2256269	10.402	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1246502	9.971	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	954024	9.667	ppbv #	57
57) Chlorobenzene	12.30	112	1623314	9.389	ppbv	98
58) Ethyl Benzene	12.87	91	3106256	9.738	ppbv	99
59) m/p-Xylene	13.15	91	5086072m	17.612	ppbv	
60) o-Xylene	13.85	91	2457448	8.789	ppbv	99
61) Styrene	13.68	104	1863951	9.798	ppbv	99
62) Isopropylbenzene	14.83	105	3455915	9.256	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1641858	9.129	ppbv	100
64) n-propylbenzene	15.72	120	879901	9.637	ppbv	100
65) tert-Butylbenzene	16.91	119	3044290	9.694	ppbv	100
66) Benzyl Chloride	17.16	91	1567879	13.325	ppbv	99
67) sec-Butylbenzene	17.46	105	4250621	9.520	ppbv	100
69) p-Isopropyltoluene	17.82	119	3790642	10.461	ppbv	100
70) n-Butylbenzene	18.71	91	3992687	10.166	ppbv	100
71) 2-Chlorotoluene	15.62	91	2715844	9.721	ppbv	99
72) 4-Ethyltoluene	16.00	105	2960032	10.167	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2753139	9.926	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2804681	9.716	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	1580742	9.267	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1611360	9.647	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1624498	9.893	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1324625	10.649	ppbv	100
79) Naphthalene	22.41	128	3257413	10.350	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1780960	23.122	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1517471	9.349	ppbv	98

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

