

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033272.D
 Acq On : 12 Mar 2019 2:18
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:05:35 AM

Quant Time: Mar 12 04:58:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 12 04:58:04 2019
 QLast Update : Tue Mar 12 04:49:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	916233	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2147556	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2307026m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1730342	9.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	2571133	13.529	ppbv	100
3) Chlorodifluoromethane	3.02	51	1610903	13.944	ppbv	100
4) Chloromethane	3.17	50	869983	14.331	ppbv	100
5) Vinyl Chloride	3.29	62	846507	14.408	ppbv	100
6) Bromomethane	3.52	94	522798	14.039	ppbv	100
7) Chloroethane	3.60	64	301665	13.877	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	2046693	13.619	ppbv	100
9) Propene	3.04	41	732045	14.269	ppbv	100
10) Heptane	8.25	43	1200058	9.864	ppbv	100
11) Trichlorofluoromethane	4.01	101	1851492	11.634	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	996585	9.962	ppbv	100
13) Ethanol	3.65	45	142306	9.937	ppbv	99
14) Bromoethene	3.79	108	426611	10.359	ppbv	100
15) Acetone	3.90	43	1211116	10.620	ppbv	100
16) 1,3-Butadiene	3.36	39	689472	14.014	ppbv	100
17) tert-Butyl alcohol	4.36	59	180452	10.079	ppbv	100
18) 1,1-Dichloroethene	4.35	96	446691	10.190	ppbv	100
19) Isopropyl Alcohol	4.02	45	759370	11.101	ppbv	100
20) Methylene Chloride	4.41	84	393536	8.740	ppbv	100
21) Allyl Chloride	4.48	41	702256	10.648	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	536221	11.473	ppbv	100
23) Vinyl Acetate	5.16	43	1717182	10.861	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1391170	11.600	ppbv	100
25) Ethyl Acetate	5.77	43	1996801	9.565	ppbv	100
26) Hexane	5.78	57	901270	9.160	ppbv	100
27) Carbon Disulfide	4.62	76	1129002	11.334	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1480690	11.412	ppbv	100
29) Chloroform	5.85	83	1456386	9.731	ppbv	100
30) Cyclohexane	7.25	84	747740	10.114	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	933278	10.039	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	1466363	10.392	ppbv	100
34) 2-Butanone	5.33	43	1337019	10.042	ppbv	100
35) Carbon Tetrachloride	7.14	117	1508624	10.256	ppbv	100
36) Benzene	7.01	78	1866548	9.832	ppbv	100
37) 1,2-Dichloroethane	6.42	62	1124998	9.278	ppbv	100
38) Trichloroethene	7.97	130	703243	9.791	ppbv	100
39) 1,2-Dichloropropane	7.74	63	718569	9.894	ppbv	100
40) 1,4-Dioxane	7.96	88	244776	9.192	ppbv	100
41) Tetrahydrofuran	6.15	42	767085	10.181	ppbv	100
42) Bromodichloromethane	7.92	83	1611044	9.961	ppbv	100
43) Methyl Methacrylate	8.14	69	764891	10.316	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3101138	9.472	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1008572	11.218	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1163268	10.980	ppbv	100
47) 1,1,2-Trichloroethane	9.62	97	755629	9.691	ppbv	100
48) Dibromochloromethane	10.46	129	1331743	10.420	ppbv	100
49) Bromoform	13.21	173	1135002	9.897	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1942436	9.900	ppbv	100
51) 2-Hexanone	10.27	43	1515430	10.360	ppbv #	100
52) Tetrachloroethene	11.38	164	695503	10.023	ppbv	100
53) Toluene	9.95	91	2183714	10.295	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1189007	9.725	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	911782	9.455	ppbv	100
57) Chlorobenzene	12.31	112	1576564	9.291	ppbv	100
58) Ethyl Benzene	12.87	91	3033475	9.691	ppbv	100
59) m/p-Xylene	13.13	91	5021138m	17.745	ppbv	
60) o-Xylene	13.86	91	2370866	8.682	ppbv	100
61) Styrene	13.69	104	1768363	9.485	ppbv	100
62) Isopropylbenzene	14.83	105	3295000	9.042	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1547550	8.792	ppbv	100
64) n-propylbenzene	15.73	120	838158	9.388	ppbv	100
65) tert-Butylbenzene	16.91	119	2811206	9.163	ppbv	100
66) Benzyl Chloride	17.16	91	1387565	12.137	ppbv	100
67) sec-Butylbenzene	17.46	105	4009500	9.211	ppbv	100
69) p-Isopropyltoluene	17.82	119	3349885	9.470	ppbv	100
70) n-Butylbenzene	18.72	91	3622914	9.451	ppbv	100
71) 2-Chlorotoluene	15.62	91	2505901	9.201	ppbv	100
72) 4-Ethyltoluene	16.00	105	2687922	9.468	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2543209	9.405	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	2607230	9.250	ppbv	100
75) 1,3-Dichlorobenzene	17.17	146	1497209	9.002	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1515702	9.289	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1479245	9.214	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1080150	8.877	ppbv	100
79) Naphthalene	22.42	128	3869634	12.567	ppbv	100
80) Naphthalene,2-methyl-	25.12	142	1502361	20.165	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1793976	11.274	ppbv	100

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

