

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033306.D
 Acq On : 13 Mar 2019 23:21
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:41:54 PM

Quant Time: Mar 13 23:56:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 14 00:00:00 2019
 QLast Update : Wed Mar 13 23:18:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	757105	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1824315	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2263575m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1642103	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	1519741	11.903	ppbv	98
3) Chlorodifluoromethane	3.01	51	930743	9.489	ppbv	100
4) Chloromethane	3.17	50	505552	9.580	ppbv	100
5) Vinyl Chloride	3.29	62	486606	9.144	ppbv	97
6) Bromomethane	3.52	94	313402	9.871	ppbv	100
7) Chloroethane	3.60	64	188394	9.975	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1192208	9.390	ppbv	98
9) Propene	3.04	41	428369	9.731	ppbv	100
10) Heptane	8.25	43	1072965	9.959	ppbv	99
11) Trichlorofluoromethane	4.00	101	1335104	9.592	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	875959	9.312	ppbv	100
13) Ethanol	3.65	45	92222	6.785	ppbv	100
14) Bromoethene	3.79	108	382637	9.787	ppbv	99
15) Acetone	3.90	43	841035	8.110	ppbv	100
16) 1,3-Butadiene	3.36	39	423480	9.950	ppbv	95
17) tert-Butyl alcohol	4.36	59	172076	9.539	ppbv	100
18) 1,1-Dichloroethene	4.35	96	412226	10.033	ppbv	98
19) Isopropyl Alcohol	4.02	45	567725	8.839	ppbv	100
20) Methylene Chloride	4.41	84	344243	8.255	ppbv	97
21) Allyl Chloride	4.48	41	626016	10.105	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	417454	10.022	ppbv	98
23) Vinyl Acetate	5.16	43	1558019	10.495	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1094297	10.225	ppbv	99
25) Ethyl Acetate	5.77	43	1797890	9.582	ppbv	100
26) Hexane	5.78	57	796751	9.066	ppbv	98
27) Carbon Disulfide	4.62	76	1020123	10.928	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1337302	10.768	ppbv	99
29) Chloroform	5.85	83	1301996	9.539	ppbv	99
30) Cyclohexane	7.25	84	688411	10.155	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	873355	10.443	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1276600	9.583	ppbv	99
34) 2-Butanone	5.33	43	1237712	9.954	ppbv	99
35) Carbon Tetrachloride	7.14	117	1352081	9.676	ppbv	97
36) Benzene	7.01	78	1721639	9.682	ppbv	99
37) 1,2-Dichloroethane	6.42	62	988905	9.206	ppbv	99
38) Trichloroethene	7.97	130	636490	9.001	ppbv	96
39) 1,2-Dichloropropane	7.74	63	650278	9.529	ppbv	99
40) 1,4-Dioxane	7.96	88	235382	9.318	ppbv	# 1
41) Tetrahydrofuran	6.15	42	683321	9.836	ppbv	99
42) Bromodichloromethane	7.92	83	1470519	9.856	ppbv	99
43) Methyl Methacrylate	8.14	69	704956	9.950	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2833943	9.277	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	944919	11.439	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1058620	10.586	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	712127	9.814	ppbv	97
48) Dibromochloromethane	10.45	129	1231490	10.280	ppbv	99
49) Bromoform	13.21	173	1224059	12.007	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1734558	9.557	ppbv	98
51) 2-Hexanone	10.27	43	1374105	9.929	ppbv #	100
52) Tetrachloroethene	11.37	164	702805	9.610	ppbv	95
53) Toluene	9.95	91	2041622	10.063	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1115381	9.373	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	978544	9.579	ppbv	99
57) Chlorobenzene	12.31	112	1667367	9.065	ppbv	97
58) Ethyl Benzene	12.87	91	3167272	9.685	ppbv	99
59) m/p-Xylene	13.15	91	5265103m	19.175	ppbv	
60) o-Xylene	13.85	91	2527674	9.556	ppbv	100
61) Styrene	13.69	104	1925056	10.397	ppbv	99
62) Isopropylbenzene	14.83	105	3559596	9.580	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1722719	9.099	ppbv	100
64) n-propylbenzene	15.73	120	910225	9.920	ppbv	97
65) tert-Butylbenzene	16.91	119	3117713	9.968	ppbv	99
66) Benzyl Chloride	17.16	91	1594125	13.066	ppbv	99
67) sec-Butylbenzene	17.46	105	4419215	9.792	ppbv	99
69) p-Isopropyltoluene	17.82	119	3644784	10.082	ppbv	99
70) n-Butylbenzene	18.72	91	3840084	10.074	ppbv	100
71) 2-Chlorotoluene	15.62	91	2764204	9.978	ppbv	100
72) 4-Ethyltoluene	16.00	105	2919895	10.333	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2818846	10.652	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	2840684	10.465	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1623290	9.557	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1627365	9.752	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1579354	9.471	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1233612	10.204	ppbv	99
79) Naphthalene	22.42	128	2933936	11.737	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	1366320	19.529	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1473348	10.752	ppbv	100

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

