

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050720\
 Data File : VL034982.D
 Acq On : 8 May 2020 00:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 5:22:58 PM

Quant Time: May 08 09:27:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1077150	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2492952	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2495012	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1981678	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1741174	11.389	ppbv	99
3) Chlorodifluoromethane	2.95	51	1080284	8.784	ppbv	99
4) Chloromethane	3.11	50	636104	9.025	ppbv	95
5) Vinyl Chloride	3.22	62	622562	9.055	ppbv	100
6) Bromomethane	3.44	94	369319	8.996	ppbv	96
7) Chloroethane	3.53	64	228833	9.267	ppbv #	89
8) Dichlorotetrafluoroethane	3.15	85	1414628	8.941	ppbv	100
9) Propene	2.97	41	481717	9.027	ppbv	97
10) Heptane	8.14	43	1358046	10.158	ppbv	99
11) Trichlorofluoromethane	3.92	101	1431512	9.081	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1006599	8.968	ppbv	98
13) Ethanol	3.58	45	98626	5.601	ppbv	99
14) Bromoethene	3.71	108	436935	9.420	ppbv	98
15) Acetone	3.83	43	1126916	7.914	ppbv	98
16) 1,3-Butadiene	3.29	39	677354	11.053	ppbv	85
17) tert-Butyl alcohol	4.28	59	635211	5.013	ppbv	98
18) 1,1-Dichloroethene	4.27	96	470295	9.658	ppbv	93
19) Isopropyl Alcohol	3.94	45	551950	5.812	ppbv	99
20) Methylene Chloride	4.32	84	410026	8.698	ppbv	92
21) Allyl Chloride	4.39	41	769959	9.572	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	444702	9.219	ppbv	94
23) Vinyl Acetate	5.07	43	1677097	9.288	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1272525	9.149	ppbv	100
25) Ethyl Acetate	5.67	43	2200336	9.199	ppbv	100
26) Hexane	5.68	57	1001251	9.655	ppbv	97
27) Carbon Disulfide	4.54	76	1122577	9.184	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1422813	9.009	ppbv	99
29) Chloroform	5.75	83	1548259	9.125	ppbv	99
30) Cyclohexane	7.14	84	836657	10.455	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	998715	9.871	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1480568	9.662	ppbv	99
34) 2-Butanone	5.24	43	1443931	9.319	ppbv	99
35) Carbon Tetrachloride	7.03	117	1542992	9.806	ppbv	98
36) Benzene	6.90	78	1967387	9.572	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1203775	9.495	ppbv	99
38) Trichloroethene	7.85	130	743802	9.341	ppbv	97
39) 1,2-Dichloropropane	7.63	63	800108	9.711	ppbv	96
40) 1,4-Dioxane	7.84	88	234902m	7.014	ppbv	
41) Tetrahydrofuran	6.05	42	812162	9.956	ppbv	99
42) Bromodichloromethane	7.81	83	1642989	9.609	ppbv	96
43) Methyl Methacrylate	8.03	69	883849	10.184	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3478776	9.520	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	924011	10.550	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1154145	10.733	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	824854	9.487	ppbv	98
48) Dibromochloromethane	10.34	129	1377905	10.305	ppbv	98
49) Bromoform	13.09	173	1215068	10.561	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2236747	10.124	ppbv	99
51) 2-Hexanone	10.16	43	1845938	10.682	ppbv	99
52) Tetrachloroethene	11.26	164	720869	9.864	ppbv	98
53) Toluene	9.83	91	2285238	10.488	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1251823	9.804	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	1010961	8.985	ppbv	99
57) Chlorobenzene	12.19	112	1765303	8.931	ppbv #	96
58) Ethyl Benzene	12.75	91	3133830	10.157	ppbv	100
59) m/p-Xylene	13.03	91	5136625m	18.923	ppbv	
60) o-Xylene	13.74	91	2575673	9.616	ppbv	100
61) Styrene	13.57	104	1801792	10.629	ppbv	99
62) Isopropylbenzene	14.71	105	3625706	9.066	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1883003	8.930	ppbv	100
64) n-propylbenzene	15.61	120	947535	9.237	ppbv	97
65) tert-Butylbenzene	16.79	119	3147387	9.074	ppbv	100
66) Benzyl Chloride	17.04	91	1076889	9.145	ppbv	97
67) sec-Butylbenzene	17.34	105	4531656	9.152	ppbv	99
69) p-Isopropyltoluene	17.71	119	3678994	9.184	ppbv	100
70) n-Butylbenzene	18.60	91	3888148	9.120	ppbv	99
71) 2-Chlorotoluene	15.50	91	2819668	9.340	ppbv	99
72) 4-Ethyltoluene	15.89	105	3016635	10.094	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2845999	9.786	ppbv	100
74) 1,2,4-Trimethylbenzene	16.82	105	2909082	9.164	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	1668381	8.950	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1626806	9.185	ppbv	100
77) 1,2-Dichlorobenzene	17.88	146	1592328	9.066	ppbv	98
78) Hexachloro-1,3-Butadiene	23.44	225	1231004	8.222	ppbv	100
79) Naphthalene	22.27	128	2407975	9.740	ppbv	100
80) Naphthalene, 2-methyl-	25.02	142	526184	8.659	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1349078	8.999	ppbv	99

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

