

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035826.D
 Acq On : 4 Nov 2020 5:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:14:51 PM

Quant Time: Nov 04 06:35:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1090248	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4933941	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4847187m	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3286905	9.54	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	2041470	9.946	ppbv	99
3) Chlorodifluoromethane	2.96	51	1242464	9.516	ppbv	98
4) Chloromethane	3.11	50	603677	9.518	ppbv	99
5) Vinyl Chloride	3.23	62	789367	9.763	ppbv	100
6) Bromomethane	3.45	94	682027	10.489	ppbv	99
7) Chloroethane	3.53	64	288264	10.130	ppbv	99
8) Dichlorotetrafluoroethane	3.16	85	2316519	9.861	ppbv	99
9) Propene	2.99	41	460954	9.646	ppbv	100
10) Heptane	8.10	43	1272199	9.639	ppbv	96
11) Trichlorofluoromethane	3.92	101	2541400	9.860	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1914511	9.977	ppbv	96
13) Ethanol	3.58	45	78931	7.614	ppbv	95
14) Bromoethene	3.71	108	913692	10.346	ppbv	99
15) Acetone	3.83	43	1042143	8.941	ppbv	98
16) 1,3-Butadiene	3.30	39	480220	9.569	ppbv	96
17) tert-Butyl alcohol	4.27	59	1567407	10.147	ppbv	99
18) 1,1-Dichloroethene	4.26	96	915699	10.393	ppbv	96
19) Isopropyl Alcohol	3.94	45	679514	9.487	ppbv #	98
20) Methylene Chloride	4.32	84	737968	8.994	ppbv	99
21) Allyl Chloride	4.38	41	630332	10.000	ppbv	94
22) trans-1,2-Dichloroethene	4.86	96	928098	10.391	ppbv	96
23) Vinyl Acetate	5.05	43	1494652	9.148	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1531204	9.837	ppbv	99
25) Ethyl Acetate	5.65	43	2176512	9.479	ppbv	99
26) Hexane	5.66	57	1220806	9.640	ppbv	96
27) Carbon Disulfide	4.52	76	1946663	10.259	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2250934	9.898	ppbv	99
29) Chloroform	5.73	83	2492593	10.015	ppbv	98
30) Cyclohexane	7.10	84	1398182	10.137	ppbv	93
31) cis-1,2-Dichloroethene	5.52	61	1320678	10.138	ppbv	96
32) 1,1,1-Trichloroethane	6.48	97	2490179	9.588	ppbv	99
34) 2-Butanone	5.22	43	1401790	8.754	ppbv	94
35) Carbon Tetrachloride	6.99	117	2485439	9.428	ppbv	98
36) Benzene	6.86	78	3304681	9.009	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1548304	9.317	ppbv	99
38) Trichloroethene	7.81	130	1589329	8.871	ppbv	97
39) 1,2-Dichloropropane	7.58	63	1076796	8.719	ppbv	95
40) 1,4-Dioxane	7.81	88	505002	8.628	ppbv	96
41) Tetrahydrofuran	6.02	42	832971	9.156	ppbv	92
42) Bromodichloromethane	7.77	83	2598387	9.267	ppbv	99
43) Methyl Methacrylate	7.99	69	1328118	9.493	ppbv	94

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44) 2,2,4-Trimethylpentane	7.84	57	4107009	8.461	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1518901	10.241	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1812056	9.647	ppbv	96
47) 1,1,2-Trichloroethane	9.45	97	1547278	9.195	ppbv	99
48) Dibromochloromethane	10.28	129	2544738	9.899	ppbv	100
49) Bromoform	13.02	173	2211955	10.197	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2165847	8.846	ppbv	97
51) 2-Hexanone	10.11	43	1805686	9.180	ppbv #	95
52) Tetrachloroethene	11.19	164	1525892	8.781	ppbv	99
53) Toluene	9.78	91	4083452	9.226	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2420190	9.457	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1994868	9.170	ppbv	99
57) Chlorobenzene	12.12	112	3367608	8.738	ppbv	98
58) Ethyl Benzene	12.69	91	5269905	8.927	ppbv	97
59) m/p-Xylene	12.97	91	8747005m	17.512	ppbv	
60) o-Xylene	13.67	91	4260318	8.768	ppbv	98
61) Styrene	13.50	104	3464512	9.732	ppbv	98
62) Isopropylbenzene	14.64	105	6579744	8.616	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	3018170	8.017	ppbv	100
64) n-propylbenzene	15.54	120	2044343	9.261	ppbv	91
65) tert-Butylbenzene	16.72	119	6058735	8.716	ppbv	98
66) Benzyl Chloride	16.97	91	2310096	10.054	ppbv	97
67) sec-Butylbenzene	17.27	105	8036753	8.579	ppbv	97
69) p-Isopropyltoluene	17.64	119	6976924	9.026	ppbv	99
70) n-Butylbenzene	18.53	91	6806777	9.143	ppbv	97
71) 2-Chlorotoluene	15.43	91	5023419	8.993	ppbv	97
72) 4-Ethyltoluene	15.82	105	5414240	9.188	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	5021234	9.311	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	5113152	8.849	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	3442946	9.358	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3419395	9.634	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3439984	9.591	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1796386	10.734	ppbv	99
79) Naphthalene	22.17	128	5345732	13.271	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	1476542	22.493	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2748595	12.213	ppbv	99

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

