

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111620\
 Data File : VL035938.D
 Acq On : 16 Nov 2020 10:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 9:06:21 AM

Quant Time: Nov 17 09:42:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 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	5.67	49	1252271	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4578159	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4446834m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3431175	10.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1653247	7.012	ppbv	100
3) Chlorodifluoromethane	2.98	51	1373614	9.160	ppbv	99
4) Chloromethane	3.14	50	675978	9.279	ppbv	99
5) Vinyl Chloride	3.25	62	848823	9.140	ppbv	98
6) Bromomethane	3.47	94	695235	9.308	ppbv	97
7) Chloroethane	3.55	64	317192	9.705	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2389457	8.856	ppbv	96
9) Propene	3.01	41	518284	9.442	ppbv	100
10) Heptane	8.13	43	1512674	9.978	ppbv	99
11) Trichlorofluoromethane	3.95	101	2867614	9.686	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2118111	9.610	ppbv	98
13) Ethanol	3.61	45	93142	7.822	ppbv	97
14) Bromoethene	3.74	108	883727	8.712	ppbv	99
15) Acetone	3.85	43	1210209	9.040	ppbv	99
16) 1,3-Butadiene	3.32	39	560859	9.730	ppbv	96
17) tert-Butyl alcohol	4.29	59	1578248	8.895	ppbv	99
18) 1,1-Dichloroethene	4.29	96	965580	9.541	ppbv	94
19) Isopropyl Alcohol	3.97	45	735808	8.943	ppbv #	98
20) Methylene Chloride	4.34	84	811002	8.605	ppbv	98
21) Allyl Chloride	4.41	41	706047	9.752	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	961769	9.375	ppbv	98
23) Vinyl Acetate	5.08	43	1675505	8.928	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1694469	9.478	ppbv	99
25) Ethyl Acetate	5.68	43	2551216	9.673	ppbv	99
26) Hexane	5.69	57	1335383	9.181	ppbv	97
27) Carbon Disulfide	4.55	76	2091768	9.598	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2272129	8.699	ppbv	99
29) Chloroform	5.76	83	2602810	9.104	ppbv	97
30) Cyclohexane	7.13	84	1382753	8.728	ppbv	96
31) cis-1,2-Dichloroethene	5.55	61	1377701	9.207	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2513690	8.426	ppbv	99
34) 2-Butanone	5.25	43	1620225	10.905	ppbv	96
35) Carbon Tetrachloride	7.02	117	2480965	10.143	ppbv	98
36) Benzene	6.90	78	3236203	9.508	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1631715	10.582	ppbv	98
38) Trichloroethene	7.84	130	1464843	8.811	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1155847	10.087	ppbv	98
40) 1,4-Dioxane	7.83	88	515724	9.496	ppbv	85
41) Tetrahydrofuran	6.05	42	940022	11.136	ppbv	96
42) Bromodichloromethane	7.80	83	2668256	10.256	ppbv	98
43) Methyl Methacrylate	8.02	69	1341866	10.336	ppbv	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4574213	10.156	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1415081	10.282	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1759689	10.096	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1500274	9.609	ppbv	98
48) Dibromochloromethane	10.31	129	2417883	10.136	ppbv	99
49) Bromoform	13.05	173	2002197	9.947	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2521050	11.096	ppbv	98
51) 2-Hexanone	10.14	43	2033456	11.142	ppbv	98
52) Tetrachloroethene	11.23	164	1335402	8.282	ppbv	97
53) Toluene	9.81	91	3926354	9.561	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2238877	9.429	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1891435	9.477	ppbv	95
57) Chlorobenzene	12.16	112	3136875	8.872	ppbv	99
58) Ethyl Benzene	12.72	91	5039845	9.306	ppbv	98
59) m/p-Xylene	13.01	91	8602100m	18.773	ppbv	
60) o-Xylene	13.70	91	4228939	9.487	ppbv	98
61) Styrene	13.54	104	3088466	9.456	ppbv	99
62) Isopropylbenzene	14.68	105	6221194	8.880	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3058589	8.856	ppbv	99
64) n-propylbenzene	15.57	120	1810030	8.938	ppbv	94
65) tert-Butylbenzene	16.76	119	5536697	8.682	ppbv	98
66) Benzyl Chloride	17.00	91	1921709	9.117	ppbv	98
67) sec-Butylbenzene	17.31	105	7486081	8.711	ppbv	98
69) p-Isopropyltoluene	17.67	119	6109571	8.615	ppbv	99
70) n-Butylbenzene	18.56	91	6109489	8.946	ppbv	99
71) 2-Chlorotoluene	15.46	91	4687776	9.148	ppbv	97
72) 4-Ethyltoluene	15.85	105	4871633	9.011	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4510377	9.117	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4715520	8.895	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	2844711	8.428	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	2747234	8.437	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2722165	8.273	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1288047	8.390	ppbv	100
79) Naphthalene	22.22	128	2976761	8.055	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	467224	7.758	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1594604	7.723	ppbv	99

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

