

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034706.D
 Acq On : 27 Feb 2020 12:36
 Operator : SY/AP
 Sample : VL0227ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0227ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:32:29 PM

Quant Time: Feb 28 01:23:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 2
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1002766	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	2089650	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.14	117	2231706m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1798932	9.83	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	1340225	8.472	ppbv 96
3) Chlorodifluoromethane	2.96	51	1016048	9.389	ppbv 99
4) Chloromethane	3.12	50	565934	9.342	ppbv 97
5) Vinyl Chloride	3.24	62	552536	9.297	ppbv 100
6) Bromomethane	3.46	94	326393	9.374	ppbv 90
7) Chloroethane	3.54	64	206437	9.357	ppbv 92
8) Dichlorotetrafluoroethane	3.17	85	1275804	9.118	ppbv 99
9) Propene	2.99	41	413443	9.140	ppbv 100
10) Heptane	8.16	43	1170013	10.049	ppbv 100
11) Trichlorofluoromethane	3.94	101	1322446	9.544	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	906547	9.282	ppbv 100
13) Ethanol	3.60	45	118109	8.265	ppbv 95
14) Bromoethene	3.73	108	398569	9.781	ppbv 98
15) Acetone	3.84	43	1032364	9.035	ppbv 100
16) 1,3-Butadiene	3.31	39	526001	9.944	ppbv 98
17) tert-Butyl alcohol	4.29	59	914437	10.443	ppbv 99
18) 1,1-Dichloroethene	4.29	96	423482	9.658	ppbv 97
19) Isopropyl Alcohol	3.96	45	736434	10.820	ppbv 100
20) Methylene Chloride	4.34	84	371956	8.753	ppbv 97
21) Allyl Chloride	4.41	41	743607	9.836	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	406573	9.510	ppbv 98
23) Vinyl Acetate	5.08	43	1622136	10.442	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1170886	9.438	ppbv 99
25) Ethyl Acetate	5.69	43	1963718	9.708	ppbv 100
26) Hexane	5.70	57	881962	9.460	ppbv 98
27) Carbon Disulfide	4.55	76	1089430	10.294	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1275416	9.576	ppbv 99
29) Chloroform	5.77	83	1405416	9.462	ppbv 97
30) Cyclohexane	7.16	84	722970	10.006	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	920514	10.033	ppbv 93
32) 1,1,1-Trichloroethane	6.54	97	1367279	9.857	ppbv 99
34) 2-Butanone	5.25	43	1293976	9.838	ppbv 98
35) Carbon Tetrachloride	7.05	117	1409246	10.070	ppbv 99
36) Benzene	6.92	78	1748049	9.686	ppbv 96
37) 1,2-Dichloroethane	6.33	62	1169298	10.278	ppbv 98
38) Trichloroethene	7.87	130	654881	9.414	ppbv 96
39) 1,2-Dichloropropane	7.65	63	697280	9.711	ppbv 97
40) 1,4-Dioxane	7.87	88	262617	10.755	ppbv 98
41) Tetrahydrofuran	6.07	42	711428	10.248	ppbv 100
42) Bromodichloromethane	7.83	83	1547311	10.388	ppbv 98
43) Methyl Methacrylate	8.05	69	800342	10.543	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3072728	9.741	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	956361	11.545	ppbv	99
46) cis-1,3-Dichloropropene	8.74	75	1127783	11.352	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	725348	9.847	ppbv	97
48) Dibromochloromethane	10.36	129	1234769	10.780	ppbv	100
49) Bromoform	13.10	173	1089911	10.974	ppbv	98
50) 4-Methyl-2-Pentanone	8.78	43	2000133	10.736	ppbv	99
51) 2-Hexanone	10.18	43	1679245	11.454	ppbv #	98
52) Tetrachloroethene	11.28	164	609919	9.219	ppbv	97
53) Toluene	9.85	91	2008923	10.465	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1126147	10.247	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.18	131	877805	9.235	ppbv #	60
57) Chlorobenzene	12.20	112	1524430	9.242	ppbv	96
58) Ethyl Benzene	12.77	91	2719040	10.070	ppbv	99
59) m/p-Xylene	13.06	91	4517677m	19.184	ppbv	
60) o-Xylene	13.75	91	2248946	9.624	ppbv	99
61) Styrene	13.59	104	1583842	10.551	ppbv	98
62) Isopropylbenzene	14.73	105	3150065	9.240	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1645950	9.037	ppbv	100
64) n-propylbenzene	15.63	120	818117	9.309	ppbv	92
65) tert-Butylbenzene	16.81	119	2740128	9.309	ppbv	99
66) Benzyl Chloride	17.06	91	1323601	12.054	ppbv	99
67) sec-Butylbenzene	17.37	105	3911389	9.234	ppbv	99
69) p-Isopropyltoluene	17.72	119	3225809	9.251	ppbv	99
70) n-Butylbenzene	18.62	91	3474604	9.151	ppbv	100
71) 2-Chlorotoluene	15.52	91	2485659	9.414	ppbv	99
72) 4-Ethyltoluene	15.91	105	2609304	10.032	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2456934	9.819	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	2552966	9.239	ppbv	97
75) 1,3-Dichlorobenzene	17.07	146	1453539	9.113	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1457807	9.135	ppbv	98
77) 1,2-Dichlorobenzene	17.89	146	1406694	9.122	ppbv	98
78) Hexachloro-1,3-Butadiene	23.45	225	1080343	8.046	ppbv	98
79) Naphthalene	22.30	128	2462680	10.127	ppbv	99
80) Naphthalene, 2-methyl-	25.04	142	540698	7.208	ppbv	99
81) 1,2,4-Trichlorobenzene	22.02	180	1300246	8.958	ppbv	99

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

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