

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101620\
 Data File : VL035785.D
 Acq On : 16 Oct 2020 13:56
 Operator : SY/AP
 Sample : VL1016ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:09:54 AM

Quant Time: Oct 17 03:33:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1079220	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4189857	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4216195m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3109247	9.84	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1361608	7.689 ppbv	99
3) Chlorodifluoromethane	2.98	51	1210035	10.422 ppbv	99
4) Chloromethane	3.13	50	649774	10.418 ppbv	98
5) Vinyl Chloride	3.24	62	773655	10.487 ppbv	99
6) Bromomethane	3.46	94	638620	10.241 ppbv	98
7) Chloroethane	3.55	64	288619	10.667 ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2061381	9.597 ppbv	99
9) Propene	3.00	41	476014	11.292 ppbv	99
10) Heptane	8.12	43	1341565	11.415 ppbv	99
11) Trichlorofluoromethane	3.94	101	2490983	9.859 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1867627	9.916 ppbv	99
13) Ethanol	3.60	45	106614	10.255 ppbv	99
14) Bromoethene	3.73	108	846951	10.675 ppbv	100
15) Acetone	3.84	43	1063461	9.158 ppbv	99
16) 1,3-Butadiene	3.31	39	483589	11.383 ppbv	100
17) tert-Butyl alcohol	4.29	59	1469354	11.616 ppbv	99
18) 1,1-Dichloroethene	4.28	96	867763	10.523 ppbv	99
19) Isopropyl Alcohol	3.96	45	733238	11.607 ppbv	# 97
20) Methylene Chloride	4.33	84	729817	8.556 ppbv	96
21) Allyl Chloride	4.40	41	647148	11.497 ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	903569	10.371 ppbv	97
23) Vinyl Acetate	5.07	43	1687144	11.862 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1622060	10.470 ppbv	100
25) Ethyl Acetate	5.67	43	2209959	10.576 ppbv	100
26) Hexane	5.68	57	1222210	10.674 ppbv	99
27) Carbon Disulfide	4.54	76	1962056	11.496 ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2222823	12.246 ppbv	100
29) Chloroform	5.75	83	2397666	10.311 ppbv	99
30) Cyclohexane	7.13	84	1323128	11.712 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1320138	11.943 ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2370851	11.566 ppbv	99
34) 2-Butanone	5.24	43	1533935	11.069 ppbv	100
35) Carbon Tetrachloride	7.02	117	2401716	10.994 ppbv	99
36) Benzene	6.89	78	3073129	11.256 ppbv	100
37) 1,2-Dichloroethane	6.30	62	1518149	10.669 ppbv	100
38) Trichloroethene	7.83	130	1489578	10.937 ppbv	99
39) 1,2-Dichloropropane	7.61	63	1068818	10.801 ppbv	98
40) 1,4-Dioxane	7.83	88	535627	11.836 ppbv	91
41) Tetrahydrofuran	6.05	42	862948	12.360 ppbv	100
42) Bromodichloromethane	7.79	83	2533371	11.052 ppbv	99
43) Methyl Methacrylate	8.01	69	1296344	11.939 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4151471	10.597	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1471898	13.427	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1751458	12.961	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1475835	10.412	ppbv	99
48) Dibromochloromethane	10.31	129	2468189	11.442	ppbv	100
49) Bromoform	13.05	173	2179864	11.909	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2249825	11.115	ppbv	100
51) 2-Hexanone	10.14	43	1885590	11.562	ppbv #	100
52) Tetrachloroethene	11.23	164	1426918	10.869	ppbv	98
53) Toluene	9.81	91	3805841	11.822	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2297214	10.824	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1892932	10.707	ppbv	96
57) Chlorobenzene	12.16	112	3165102	9.939	ppbv	99
58) Ethyl Benzene	12.72	91	4945401	11.686	ppbv	99
59) m/p-Xylene	13.01	91	8406630m	22.748	ppbv	
60) o-Xylene	13.71	91	4070526	10.889	ppbv	100
61) Styrene	13.54	104	3224871	12.476	ppbv	100
62) Isopropylbenzene	14.68	105	6155641	10.616	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2955879	9.642	ppbv	100
64) n-propylbenzene	15.58	120	1875281	11.050	ppbv	98
65) tert-Butylbenzene	16.76	119	5661606	10.739	ppbv	99
66) Benzyl Chloride	17.00	91	2108053	13.198	ppbv	98
67) sec-Butylbenzene	17.31	105	7591562	10.428	ppbv	99
69) p-Isopropyltoluene	17.67	119	6371698	10.758	ppbv	99
70) n-Butylbenzene	18.57	91	6304224	10.336	ppbv	99
71) 2-Chlorotoluene	15.47	91	4703214	11.120	ppbv	100
72) 4-Ethyltoluene	15.85	105	4983611	11.254	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4636950	11.080	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4793513	10.161	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	3160388	9.812	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3189174	10.359	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	3107437	10.215	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1725798	10.283	ppbv	100
79) Naphthalene	22.22	128	4685106	10.412	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1253182	11.808	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	2445176	10.486	ppbv	100

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

