

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035020.D
 Acq On : 14 May 2020 14:32
 Operator : SY/AP
 Sample : VL0514ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0514ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:34:41 PM

Quant Time: May 15 01:57:36 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	5.65	49	1023788	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2388106	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2387188m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1965346	10.17	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1077452	7.415	ppbv	100
3) Chlorodifluoromethane	2.94	51	1050006	8.983	ppbv	99
4) Chloromethane	3.09	50	604887	9.030	ppbv	99
5) Vinyl Chloride	3.21	62	593595	9.084	ppbv	98
6) Bromomethane	3.43	94	358807	9.196	ppbv	96
7) Chloroethane	3.51	64	218564	9.313	ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	1356517	9.021	ppbv	99
9) Propene	2.96	41	449456	8.861	ppbv	99
10) Heptane	8.12	43	1234719	9.717	ppbv	99
11) Trichlorofluoromethane	3.91	101	1404956	9.377	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	964486	9.041	ppbv	100
13) Ethanol	3.56	45	135162	8.076	ppbv	100
14) Bromoethene	3.70	108	424424	9.627	ppbv	97
15) Acetone	3.81	43	1113982	8.230	ppbv	97
16) 1,3-Butadiene	3.28	39	544288	9.345	ppbv	99
17) tert-Butyl alcohol	4.26	59	1087668	9.032	ppbv	99
18) 1,1-Dichloroethene	4.25	96	457588	9.887	ppbv	97
19) Isopropyl Alcohol	3.93	45	803177	8.898	ppbv	99
20) Methylene Chloride	4.31	84	401565	8.963	ppbv	95
21) Allyl Chloride	4.38	41	770957	10.084	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	449846	9.812	ppbv	95
23) Vinyl Acetate	5.05	43	1669419	9.727	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1213020	9.176	ppbv	99
25) Ethyl Acetate	5.65	43	2144452	9.432	ppbv	99
26) Hexane	5.66	57	937128	9.508	ppbv	99
27) Carbon Disulfide	4.52	76	1148165	9.883	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1402162	9.341	ppbv	100
29) Chloroform	5.73	83	1460665	9.057	ppbv	93
30) Cyclohexane	7.12	84	775787	10.200	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	961139	9.994	ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	1390666	9.549	ppbv	100
34) 2-Butanone	5.22	43	1390754	9.370	ppbv	99
35) Carbon Tetrachloride	7.01	117	1421211	9.429	ppbv	97
36) Benzene	6.88	78	1865209	9.473	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1163047	9.576	ppbv	99
38) Trichloroethene	7.83	130	714256	9.364	ppbv	96
39) 1,2-Dichloropropane	7.61	63	737786	9.348	ppbv	98
40) 1,4-Dioxane	7.83	88	278339	8.676	ppbv	# 1
41) Tetrahydrofuran	6.03	42	776759	9.940	ppbv	99
42) Bromodichloromethane	7.79	83	1569462	9.582	ppbv	96
43) Methyl Methacrylate	8.01	69	859277	10.335	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3255538	9.300	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	957842	11.416	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1126842	10.939	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	769176	9.235	ppbv	96
48) Dibromochloromethane	10.32	129	1276352	9.965	ppbv	100
49) Bromoform	13.06	173	1099151	9.973	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2072038	9.790	ppbv	99
51) 2-Hexanone	10.14	43	1705008	10.299	ppbv	99
52) Tetrachloroethene	11.24	164	657859	9.397	ppbv	96
53) Toluene	9.82	91	2183737	10.463	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1182228	9.666	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	944249	8.771	ppbv	95
57) Chlorobenzene	12.16	112	1619426	8.563	ppbv	99
58) Ethyl Benzene	12.73	91	2919742	9.891	ppbv	99
59) m/p-Xylene	13.01	91	4787973m	18.435	ppbv	
60) o-Xylene	13.71	91	2397858	9.356	ppbv	98
61) Styrene	13.55	104	1699534	10.479	ppbv	99
62) Isopropylbenzene	14.69	105	3524589	9.211	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1672310	8.289	ppbv	100
64) n-propylbenzene	15.59	120	899268	9.162	ppbv	93
65) tert-Butylbenzene	16.77	119	3014302	9.083	ppbv	99
66) Benzyl Chloride	17.02	91	1102855	9.789	ppbv	97
67) sec-Butylbenzene	17.32	105	4333941	9.148	ppbv	99
69) p-Isopropyltoluene	17.68	119	3521038	9.187	ppbv	100
70) n-Butylbenzene	18.58	91	3757096	9.210	ppbv	98
71) 2-Chlorotoluene	15.48	91	2724073	9.431	ppbv	99
72) 4-Ethyltoluene	15.87	105	2793491	9.770	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	2570600	9.238	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	2665593	8.776	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1503645	8.431	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1502973	8.869	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1436588	8.549	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1199015	8.370	ppbv	99
79) Naphthalene	22.25	128	2674880	11.309	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1217325	20.938	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1394359m	9.722	ppbv	

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

