

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
 Data File : VL036165.D
 Acq On : 16 Dec 2020 13:19
 Operator : SY/AP
 Sample : VL1216ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1216ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/17/2020 3:55:49 PM

Quant Time: Dec 17 06:14:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1207825	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2520625	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2700304m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2169851	10.12	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	1047038	7.439	ppbv	96
3) Chlorodifluoromethane	2.96	51	1475777	10.709	ppbv	99
4) Chloromethane	3.12	50	722277	10.676	ppbv	100
5) Vinyl Chloride	3.23	62	678969	9.021	ppbv	94
6) Bromomethane	3.45	94	368204	9.481	ppbv	91
7) Chloroethane	3.54	64	245174	9.562	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1559518	9.969	ppbv	89
9) Propene	2.99	41	668409	9.682	ppbv	99
10) Heptane	8.10	43	1774065	10.062	ppbv	100
11) Trichlorofluoromethane	3.93	101	1754009	10.599	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1102210	9.807	ppbv	93
13) Ethanol	3.58	45	101398	10.655	ppbv	90
14) Bromoethene	3.72	108	455913	9.888	ppbv	98
15) Acetone	3.83	43	1569491	10.812	ppbv	97
16) 1,3-Butadiene	3.30	39	736540	10.074	ppbv	97
17) tert-Butyl alcohol	4.27	59	1255647	8.930	ppbv	100
18) 1,1-Dichloroethene	4.27	96	482881	9.677	ppbv	96
19) Isopropyl Alcohol	3.94	45	836187	9.425	ppbv #	100
20) Methylene Chloride	4.32	84	459178	7.719	ppbv	98
21) Allyl Chloride	4.39	41	878368	9.100	ppbv	91
22) trans-1,2-Dichloroethene	4.86	96	468289	9.373	ppbv	93
23) Vinyl Acetate	5.05	43	1893633	9.798	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1304674	9.598	ppbv	98
25) Ethyl Acetate	5.65	43	2938535	10.133	ppbv	99
26) Hexane	5.66	57	1200887	9.201	ppbv	99
27) Carbon Disulfide	4.53	76	1247224	9.615	ppbv	96
28) Methyl tert-Butyl Ether	5.01	73	1684319	9.077	ppbv	100
29) Chloroform	5.73	83	1842721	10.751	ppbv	97
30) Cyclohexane	7.10	84	914849	9.542	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1256731	10.593	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	1801993	10.189	ppbv	97
34) 2-Butanone	5.22	43	1809726	10.824	ppbv	100
35) Carbon Tetrachloride	7.00	117	1742733	11.856	ppbv	98
36) Benzene	6.87	78	2357982	11.038	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1568201	12.669	ppbv	97
38) Trichloroethene	7.82	130	734549	9.199	ppbv	92
39) 1,2-Dichloropropane	7.59	63	986361	11.692	ppbv	97
40) 1,4-Dioxane	7.81	88	304091	11.461	ppbv #	1
41) Tetrahydrofuran	6.02	42	1108204	11.157	ppbv	100
42) Bromodichloromethane	7.77	83	2067603	12.535	ppbv	98
43) Methyl Methacrylate	7.99	69	1052514	11.485	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4269044	11.035	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1154995	12.268	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1395700	11.827	ppbv	95
47) 1,1,2-Trichloroethane	9.46	97	897794	11.062	ppbv	94
48) Dibromochloromethane	10.28	129	1449716	11.828	ppbv	99
49) Bromoform	13.02	173	1179543	12.228	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2908624	11.665	ppbv	99
51) 2-Hexanone	10.11	43	2376907	12.195	ppbv	97
52) Tetrachloroethene	11.20	164	696935	9.013	ppbv	92
53) Toluene	9.79	91	2634081	10.981	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1360561	11.184	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1081141	9.656	ppbv	96
57) Chlorobenzene	12.13	112	1784554	9.414	ppbv	99
58) Ethyl Benzene	12.69	91	3640803	9.838	ppbv	99
59) m/p-Xylene	12.98	91	6173627m	19.807	ppbv	
60) o-Xylene	13.67	91	2922418	9.952	ppbv	94
61) Styrene	13.51	104	1933169	10.254	ppbv	95
62) Isopropylbenzene	14.65	105	4138097	9.506	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	1986279	10.043	ppbv	99
64) n-propylbenzene	15.55	120	996857	9.519	ppbv	83
65) tert-Butylbenzene	16.73	119	3397090	9.534	ppbv	91
66) Benzyl Chloride	16.98	91	1153571	13.003	ppbv	95
67) sec-Butylbenzene	17.28	105	4949263	9.925	ppbv	97
69) p-Isopropyltoluene	17.64	119	3904804	9.845	ppbv	96
70) n-Butylbenzene	18.54	91	4368029	11.142	ppbv	98
71) 2-Chlorotoluene	15.44	91	3405956	10.351	ppbv	95
72) 4-Ethyltoluene	15.82	105	3212338	10.098	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	3057754	10.065	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	3078374	10.094	ppbv #	90
75) 1,3-Dichlorobenzene	16.98	146	1502333	9.841	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	1491285	9.595	ppbv	96
77) 1,2-Dichlorobenzene	17.80	146	1454330	9.978	ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	880296	7.535	ppbv	100
79) Naphthalene	22.18	128	1548069	9.986	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	638116	18.408	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	907651	8.764	ppbv #	100

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

