

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
 Data File : VL036192.D
 Acq On : 23 Dec 2020 10:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 12/26/2020 1:35:58 PM

Quant Time: Dec 24 05:31:43 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	5.64	49	1163203	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2440914	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2466805m	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2077862	10.61	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1078319	7.955	ppbv	99
3) Chlorodifluoromethane	2.96	51	1441042	10.858	ppbv	98
4) Chloromethane	3.11	50	711093	10.914	ppbv	100
5) Vinyl Chloride	3.23	62	683405	9.428	ppbv	98
6) Bromomethane	3.45	94	381985	10.213	ppbv	86
7) Chloroethane	3.53	64	240757	9.750	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1574190	10.449	ppbv	89
9) Propene	2.99	41	636588	9.575	ppbv	99
10) Heptane	8.10	43	1679782	9.893	ppbv	99
11) Trichlorofluoromethane	3.92	101	1762379	11.058	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1101053	10.172	ppbv	93
13) Ethanol	3.58	45	98929	10.794	ppbv	92
14) Bromoethene	3.71	108	463189	10.431	ppbv	96
15) Acetone	3.82	43	1629914	11.659	ppbv	97
16) 1,3-Butadiene	3.30	39	723266	10.272	ppbv	98
17) tert-Butyl alcohol	4.27	59	1227869	9.068	ppbv	98
18) 1,1-Dichloroethene	4.26	96	478322	9.953	ppbv	96
19) Isopropyl Alcohol	3.94	45	833219	9.751	ppbv #	100
20) Methylene Chloride	4.32	84	421380	7.356	ppbv	93
21) Allyl Chloride	4.38	41	934335	10.051	ppbv	96
22) trans-1,2-Dichloroethene	4.85	96	473368	9.838	ppbv	94
23) Vinyl Acetate	5.05	43	1925624	10.346	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1285465	9.820	ppbv	99
25) Ethyl Acetate	5.65	43	2900981	10.387	ppbv	100
26) Hexane	5.66	57	1180057	9.388	ppbv	99
27) Carbon Disulfide	4.52	76	1248049	9.991	ppbv	97
28) Methyl tert-Butyl Ether	5.01	73	1703216	9.531	ppbv	99
29) Chloroform	5.73	83	1803282	10.925	ppbv	97
30) Cyclohexane	7.10	84	911657	9.874	ppbv	97
31) cis-1,2-Dichloroethene	5.52	61	1226002	10.730	ppbv	96
32) 1,1,1-Trichloroethane	6.48	97	1775702	10.426	ppbv	97
34) 2-Butanone	5.22	43	1802353	11.132	ppbv	100
35) Carbon Tetrachloride	6.99	117	1719135	12.078	ppbv	98
36) Benzene	6.86	78	2317850	11.205	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1548705	12.920	ppbv	97
38) Trichloroethene	7.81	130	716446	9.265	ppbv	93
39) 1,2-Dichloropropane	7.58	63	954611	11.685	ppbv	92
40) 1,4-Dioxane	7.80	88	327322m	12.739	ppbv	
41) Tetrahydrofuran	6.02	42	1064494	11.067	ppbv	100
42) Bromodichloromethane	7.76	83	1982006	12.409	ppbv	98
43) Methyl Methacrylate	7.99	69	1054117	11.878	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.84	57	4140495	11.052	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1151690	12.632	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	1365433	11.949	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	885635	11.268	ppbv	96
48) Dibromochloromethane	10.28	129	1422697	11.987	ppbv	99
49) Bromoform	13.01	173	1152754	12.340	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2853261	11.816	ppbv	99
51) 2-Hexanone	10.11	43	2273558	12.046	ppbv #	99
52) Tetrachloroethene	11.19	164	683443	9.127	ppbv	94
53) Toluene	9.78	91	2569802	11.063	ppbv	98
54) 1,2-Dibromoethane	10.58	107	1326289	11.258	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1077374	10.533	ppbv	97
57) Chlorobenzene	12.12	112	1762973	10.180	ppbv	95
58) Ethyl Benzene	12.68	91	3575458	10.576	ppbv	100
59) m/p-Xylene	12.97	91	6128249m	21.523	ppbv	
60) o-Xylene	13.66	91	2877311	10.726	ppbv	95
61) Styrene	13.50	104	1913009	11.107	ppbv	96
62) Isopropylbenzene	14.64	105	4083951	10.270	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	1981676	10.968	ppbv	99
64) n-propylbenzene	15.54	120	988773	10.335	ppbv	83
65) tert-Butylbenzene	16.72	119	3391731	10.421	ppbv	92
66) Benzyl Chloride	16.97	91	1185578	14.628	ppbv	94
67) sec-Butylbenzene	17.27	105	4907797	10.774	ppbv	98
69) p-Isopropyltoluene	17.63	119	3897942	10.758	ppbv	96
70) n-Butylbenzene	18.53	91	4346707	12.138	ppbv	98
71) 2-Chlorotoluene	15.43	91	3351281	11.149	ppbv	95
72) 4-Ethyltoluene	15.81	105	3196766	11.001	ppbv	97
73) 1,3,5-Trimethylbenzene	15.97	105	3023669	10.895	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	3072083	11.027	ppbv	94
75) 1,3-Dichlorobenzene	16.97	146	1508491	10.817	ppbv	97
76) 1,4-Dichlorobenzene	17.11	146	1476613	10.400	ppbv	96
77) 1,2-Dichlorobenzene	17.80	146	1432808	10.760	ppbv	97
78) Hexachloro-1,3-Butadiene	23.35	225	878783	8.234	ppbv	98
79) Naphthalene	22.17	128	1527732	10.788	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	599971	18.946	ppbv	92
81) 1,2,4-Trichlorobenzene	21.90	180	878789	9.288	ppbv #	100

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

