

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036071.D
 Acq On : 7 Dec 2020 17:14
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120720

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:26 AM

Quant Time: Dec 08 08:45:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 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	5.69	49	1259506	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2915205	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2728933m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2200785	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1246577	8.493	ppbv	99
3) Chlorodifluoromethane	2.99	51	1388809	9.664	ppbv	99
4) Chloromethane	3.15	50	688171	9.754	ppbv	97
5) Vinyl Chloride	3.26	62	664689	8.468	ppbv	100
6) Bromomethane	3.48	94	378694	9.351	ppbv	94
7) Chloroethane	3.56	64	241800	9.043	ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	1591771	9.758	ppbv	96
9) Propene	3.01	41	681077	9.461	ppbv	97
10) Heptane	8.15	43	1727000	9.393	ppbv	100
11) Trichlorofluoromethane	3.96	101	1675451	9.709	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1127336	9.619	ppbv	100
13) Ethanol	3.62	45	97035	9.778	ppbv	97
14) Bromoethene	3.75	108	480663	9.997	ppbv	95
15) Acetone	3.86	43	1458856	9.637	ppbv	100
16) 1,3-Butadiene	3.34	39	677765	8.890	ppbv	93
17) tert-Butyl alcohol	4.30	59	1460326	9.960	ppbv	100
18) 1,1-Dichloroethene	4.30	96	490924	9.434	ppbv	92
19) Isopropyl Alcohol	3.98	45	898530	9.712	ppbv #	100
20) Methylene Chloride	4.36	84	448963	7.238	ppbv	95
21) Allyl Chloride	4.42	41	929420	9.234	ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	479107	9.196	ppbv	95
23) Vinyl Acetate	5.09	43	2054049	10.192	ppbv #	99
24) 1,1-Dichloroethane	5.03	63	1339078	9.447	ppbv	97
25) Ethyl Acetate	5.70	43	2922150	9.663	ppbv	100
26) Hexane	5.71	57	1199102	8.810	ppbv	99
27) Carbon Disulfide	4.56	76	1358566	10.044	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1852360	9.573	ppbv	99
29) Chloroform	5.77	83	1726846	9.662	ppbv	97
30) Cyclohexane	7.15	84	951972	9.522	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1219489	9.857	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	1748687	9.482	ppbv	100
34) 2-Butanone	5.26	43	1789283	9.253	ppbv	99
35) Carbon Tetrachloride	7.04	117	1722010	10.130	ppbv	99
36) Benzene	6.92	78	2382125	9.642	ppbv	96
37) 1,2-Dichloroethane	6.33	62	1416622	9.895	ppbv	100
38) Trichloroethene	7.86	130	814443	8.819	ppbv	97
39) 1,2-Dichloropropane	7.64	63	951375	9.751	ppbv	95
40) 1,4-Dioxane	7.85	88	301139	9.813	ppbv #	99
41) Tetrahydrofuran	6.06	42	1090205	9.490	ppbv	98
42) Bromodichloromethane	7.82	83	1942738	10.184	ppbv	99
43) Methyl Methacrylate	8.03	69	1079835	10.188	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4251394	9.502	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1205177	11.068	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1401109	10.266	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	919786	9.799	ppbv	97
48) Dibromochloromethane	10.33	129	1542769	10.884	ppbv	100
49) Bromoform	13.07	173	1308997	11.733	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2866345	9.939	ppbv	100
51) 2-Hexanone	10.16	43	2332629	10.348	ppbv	99
52) Tetrachloroethene	11.25	164	787587	8.806	ppbv	95
53) Toluene	9.83	91	2731974	9.848	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1399663	9.948	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	1153964	10.198	ppbv	97
57) Chlorobenzene	12.18	112	1883801	9.833	ppbv	99
58) Ethyl Benzene	12.74	91	3690505	9.868	ppbv	97
59) m/p-Xylene	13.02	91	6219124m	19.744	ppbv	
60) o-Xylene	13.72	91	2879531	9.703	ppbv	99
61) Styrene	13.56	104	2071552	10.872	ppbv	99
62) Isopropylbenzene	14.70	105	4297638	9.769	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1944473	9.729	ppbv	100
64) n-propylbenzene	15.59	120	1084390	10.246	ppbv	99
65) tert-Butylbenzene	16.78	119	3626603	10.072	ppbv	100
66) Benzyl Chloride	17.02	91	1413075	15.761	ppbv	100
67) sec-Butylbenzene	17.33	105	5120932	10.162	ppbv	100
69) p-Isopropyltoluene	17.68	119	4178447	10.424	ppbv	99
70) n-Butylbenzene	18.58	91	4320665	10.906	ppbv	99
71) 2-Chlorotoluene	15.48	91	3400431	10.226	ppbv	99
72) 4-Ethyltoluene	15.87	105	3344617	10.404	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3126236	10.182	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3157978	10.246	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	1686456	10.931	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1622826	10.332	ppbv	97
77) 1,2-Dichlorobenzene	17.85	146	1596062	10.835	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1032514	8.746	ppbv	99
79) Naphthalene	22.24	128	1740437	11.109	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	836934	23.891	ppbv	96
81) 1,2,4-Trichlorobenzene	21.97	180	1032533	9.865	ppbv #	100

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

