

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035190.D
 Acq On : 16 Jul 2020 9:59
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 17 05:53:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1321443	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3158856	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	3110229	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2386697	9.45	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.99	85	1353068	7.306	ppbv	99
3) Chlorodifluoromethane	2.93	51	1358245	9.305	ppbv	97
4) Chloromethane	3.08	50	783917	9.529	ppbv	97
5) Vinyl Chloride	3.20	62	776630	8.834	ppbv	97
6) Bromomethane	3.42	94	476457	9.550	ppbv	98
7) Chloroethane	3.50	64	292387	9.408	ppbv	96
8) Dichlorotetrafluoroethane	3.13	85	1769718	8.719	ppbv	99
9) Propene	2.95	41	587310	10.647	ppbv	98
10) Heptane	8.10	43	1529034	10.797	ppbv	100
11) Trichlorofluoromethane	3.90	101	1834464	8.772	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.44	101	1318103	8.974	ppbv	98
13) Ethanol	3.55	45	139227	7.927	ppbv	89
14) Bromoethene	3.68	108	599679	9.921	ppbv	98
15) Acetone	3.80	43	1415364	7.911	ppbv	98
16) 1,3-Butadiene	3.27	39	703869	10.250	ppbv	100
17) tert-Butyl alcohol	4.24	59	1630036	10.298	ppbv	100
18) 1,1-Dichloroethene	4.24	96	618940	9.518	ppbv	98
19) Isopropyl Alcohol	3.92	45	1078127	9.989	ppbv	# 96
20) Methylene Chloride	4.30	84	551701	7.087	ppbv	99
21) Allyl Chloride	4.37	41	1036742	9.956	ppbv	98
22) trans-1,2-Dichloroethene	4.84	96	624721	9.622	ppbv	98
23) Vinyl Acetate	5.03	43	2107107	10.881	ppbv	97
24) 1,1-Dichloroethane	4.97	63	1571695	9.451	ppbv	99
25) Ethyl Acetate	5.64	43	2719306	9.795	ppbv	100
26) Hexane	5.65	57	1203565	9.832	ppbv	99
27) Carbon Disulfide	4.50	76	1660825	9.716	ppbv	100
28) Methyl tert-Butyl Ether	4.99	73	1944234	10.425	ppbv	100
29) Chloroform	5.72	83	1881388	9.167	ppbv	96
30) Cyclohexane	7.11	84	1015399	11.211	ppbv	98
31) cis-1,2-Dichloroethene	5.51	61	1229292	10.617	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	1862497	9.055	ppbv	99
34) 2-Butanone	5.21	43	1714829	10.171	ppbv	99
35) Carbon Tetrachloride	7.00	117	1929008	9.407	ppbv	100
36) Benzene	6.87	78	2409021	10.537	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1466309	9.557	ppbv	99
38) Trichloroethene	7.82	130	941654	10.108	ppbv	97
39) 1,2-Dichloropropane	7.59	63	933695	10.269	ppbv	96
40) 1,4-Dioxane	7.81	88	354822	9.803	ppbv	# 1
41) Tetrahydrofuran	6.02	42	956422	11.337	ppbv	100
42) Bromodichloromethane	7.78	83	2035236	9.933	ppbv	97
43) Methyl Methacrylate	8.00	69	1077529	11.149	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4092038	10.369	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1251558	12.326	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1458399	12.116	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	997552	10.024	ppbv	95
48) Dibromochloromethane	10.30	129	1712012	10.573	ppbv	100
49) Bromoform	13.05	173	1519146	10.725	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2547368	10.527	ppbv	99
51) 2-Hexanone	10.13	43	2065568	11.195	ppbv	99
52) Tetrachloroethene	11.22	164	853028	9.990	ppbv	97
53) Toluene	9.80	91	2789538	11.561	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1522169	10.307	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1270751	9.222	ppbv #	92
57) Chlorobenzene	12.15	112	2105269	9.184	ppbv	98
58) Ethyl Benzene	12.71	91	3716059	10.810	ppbv	98
59) m/p-Xylene	13.00	91	6108125m	19.936	ppbv	
60) o-Xylene	13.70	91	3030809	9.915	ppbv	100
61) Styrene	13.54	104	2207726	11.688	ppbv	99
62) Isopropylbenzene	14.68	105	4516539	9.968	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2187989	8.566	ppbv	99
64) n-propylbenzene	15.57	120	1194851	10.208	ppbv	99
65) tert-Butylbenzene	16.76	119	4019781	9.878	ppbv	100
66) Benzyl Chloride	17.01	91	1687716	11.641	ppbv	100
67) sec-Butylbenzene	17.31	105	5722217	9.645	ppbv	99
69) p-Isopropyltoluene	17.67	119	4755801	10.228	ppbv	99
70) n-Butylbenzene	18.57	91	4956904	10.054	ppbv	99
71) 2-Chlorotoluene	15.46	91	3512384	10.245	ppbv	100
72) 4-Ethyltoluene	15.85	105	3632298	10.546	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3430797	10.329	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	3566316	9.716	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2015568	8.671	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2049920	9.489	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	1984623	9.483	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1457716	8.814	ppbv	99
79) Naphthalene	22.23	128	3013044	12.686	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1178640	21.008	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	1679031	11.159	ppbv	100

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

