

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035579.D
 Acq On : 9 Sep 2020 9:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:45:56 AM

Quant Time: Sep 09 10:34:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1144837	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4931998	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	5102980m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3678134	10.15	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1488110	7.501	ppbv	98
3) Chlorodifluoromethane	2.97	51	1241405	9.804	ppbv	99
4) Chloromethane	3.12	50	692733	10.212	ppbv	100
5) Vinyl Chloride	3.24	62	813975	9.733	ppbv	100
6) Bromomethane	3.46	94	712408	10.141	ppbv	99
7) Chloroethane	3.54	64	307055	10.385	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	2229378	9.278	ppbv	93
9) Propene	2.99	41	488198	10.001	ppbv	99
10) Heptane	8.11	43	1305550	9.958	ppbv	99
11) Trichlorofluoromethane	3.93	101	2567533	8.874	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1976402	9.051	ppbv	92
13) Ethanol	3.59	45	116871	9.657	ppbv	95
14) Bromoethene	3.72	108	945624	10.060	ppbv	99
15) Acetone	3.83	43	1294560	10.253	ppbv	98
16) 1,3-Butadiene	3.31	39	487205	10.365	ppbv	97
17) tert-Butyl alcohol	4.28	59	1614148	10.502	ppbv	99
18) 1,1-Dichloroethene	4.27	96	940644	9.782	ppbv	97
19) Isopropyl Alcohol	3.95	45	788003	10.461	ppbv	100
20) Methylene Chloride	4.33	84	787834	8.378	ppbv	96
21) Allyl Chloride	4.40	41	674611	11.404	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	978611	9.559	ppbv	92
23) Vinyl Acetate	5.06	43	1789339	11.041	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1644790	9.862	ppbv	99
25) Ethyl Acetate	5.66	43	2185707	9.798	ppbv	99
26) Hexane	5.67	57	1250581	9.895	ppbv	99
27) Carbon Disulfide	4.53	76	2054467	11.327	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2347412	10.657	ppbv	99
29) Chloroform	5.74	83	2515290	9.768	ppbv	99
30) Cyclohexane	7.12	84	1442097	10.651	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1368130	10.551	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	2508245	10.041	ppbv	99
34) 2-Butanone	5.23	43	1522713	10.403	ppbv	98
35) Carbon Tetrachloride	7.01	117	2557702	10.318	ppbv	100
36) Benzene	6.88	78	3292019	10.312	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1553674	10.208	ppbv	100
38) Trichloroethene	7.83	130	1686274	9.093	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1109828	10.291	ppbv	100
40) 1,4-Dioxane	7.82	88	580282	10.771	ppbv	95
41) Tetrahydrofuran	6.04	42	861412	11.098	ppbv	98
42) Bromodichloromethane	7.78	83	2661878	10.815	ppbv	99
43) Methyl Methacrylate	8.01	69	1389477	11.256	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4180479	9.952	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1571756	12.568	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1853999	11.940	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1606805	10.097	ppbv	99
48) Dibromochloromethane	10.30	129	2714679	10.839	ppbv	100
49) Bromoform	13.04	173	2462199	10.847	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2220470	10.477	ppbv	98
51) 2-Hexanone	10.13	43	1930491	11.104	ppbv #	98
52) Tetrachloroethene	11.22	164	1677757	8.996	ppbv	97
53) Toluene	9.80	91	4166498	10.378	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2562231	10.190	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	2124444	10.231	ppbv	95
57) Chlorobenzene	12.15	112	3540292	9.427	ppbv	99
58) Ethyl Benzene	12.71	91	5403235	10.268	ppbv	100
59) m/p-Xylene	13.00	91	9093826m	20.681	ppbv	
60) o-Xylene	13.69	91	4431236	10.006	ppbv	100
61) Styrene	13.53	104	3676160	10.854	ppbv	99
62) Isopropylbenzene	14.67	105	6768651	9.515	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3116514	9.077	ppbv	99
64) n-propylbenzene	15.56	120	2191675	10.095	ppbv	98
65) tert-Butylbenzene	16.75	119	6325181	9.565	ppbv	98
66) Benzyl Chloride	17.00	91	2324080	14.141	ppbv	99
67) sec-Butylbenzene	17.30	105	8304640	9.426	ppbv	99
69) p-Isopropyltoluene	17.66	119	7328758	9.483	ppbv	99
70) n-Butylbenzene	18.56	91	7202913	9.676	ppbv	99
71) 2-Chlorotoluene	15.46	91	5230673	10.097	ppbv	99
72) 4-Ethyltoluene	15.84	105	5694407	10.114	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	5239542	10.062	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	5432113	9.499	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	3869614	9.135	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3946841	9.448	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3795656	9.249	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2211608	8.441	ppbv	100
79) Naphthalene	22.21	128	6630371	10.449	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	2731416	12.612	ppbv	100
81) 1,2,4-Trichlorobenzene	21.94	180	3591617	9.452	ppbv	100

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

