

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035444.D
 Acq On : 18 Aug 2020 15:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:04 AM

Quant Time: Aug 19 02:57:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 19 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1102447	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4992774	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5454782m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3678891	9.63	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1744526	8.538	ppbv 99
3) Chlorodifluoromethane	2.99	51	1255067	9.080	ppbv # 92
4) Chloromethane	3.14	50	663689	9.216	ppbv 95
5) Vinyl Chloride	3.26	62	792679	9.210	ppbv 96
6) Bromomethane	3.47	94	707046	9.394	ppbv 98
7) Chloroethane	3.56	64	291197	9.184	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	2295354	8.773	ppbv # 58
9) Propene	3.01	41	500541	9.009	ppbv 99
10) Heptane	8.15	43	1352470	9.284	ppbv # 80
11) Trichlorofluoromethane	3.95	101	2883649	8.994	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2144369	8.975	ppbv # 79
13) Ethanol	3.61	45	131648	6.467	ppbv 100
14) Bromoethene	3.74	108	981878	9.300	ppbv # 94
15) Acetone	3.85	43	1031416	8.128	ppbv # 83
16) 1,3-Butadiene	3.33	39	486415	9.453	ppbv # 67
17) tert-Butyl alcohol	4.30	59	1539077	9.384	ppbv 98
18) 1,1-Dichloroethene	4.29	96	974115	9.234	ppbv # 61
19) Isopropyl Alcohol	3.98	45	794316	9.082	ppbv # 98
20) Methylene Chloride	4.35	84	806746	7.880	ppbv # 64
21) Allyl Chloride	4.42	41	620985	9.631	ppbv # 81
22) trans-1,2-Dichloroethene	4.90	96	1042187	9.257	ppbv # 62
23) Vinyl Acetate	5.09	43	1726053	9.515	ppbv # 93
24) 1,1-Dichloroethane	5.02	63	1647974	9.103	ppbv # 94
25) Ethyl Acetate	5.69	43	2191794	8.877	ppbv # 93
26) Hexane	5.70	57	1246690	8.947	ppbv # 75
27) Carbon Disulfide	4.56	76	2021621	10.037	ppbv # 85
28) Methyl tert-Butyl Ether	5.04	73	2318973	9.110	ppbv 92
29) Chloroform	5.77	83	2565672	9.164	ppbv 97
30) Cyclohexane	7.15	84	1467293	9.491	ppbv # 61
31) cis-1,2-Dichloroethene	5.56	61	1377431	9.399	ppbv # 65
32) 1,1,1-Trichloroethane	6.53	97	2648826	10.095	ppbv # 90
34) 2-Butanone	5.26	43	1538744	9.224	ppbv # 74
35) Carbon Tetrachloride	7.04	117	2845402	10.715	ppbv 97
36) Benzene	6.91	78	3335492	9.102	ppbv # 94
37) 1,2-Dichloroethane	6.33	62	1585673	9.469	ppbv # 90
38) Trichloroethene	7.86	130	1872615	9.187	ppbv # 82
39) 1,2-Dichloropropane	7.64	63	1124363	9.310	ppbv # 85
40) 1,4-Dioxane	7.85	88	576335	8.761	ppbv # 1
41) Tetrahydrofuran	6.06	42	891905	9.693	ppbv # 62
42) Bromodichloromethane	7.82	83	2759438	9.847	ppbv # 98
43) Methyl Methacrylate	8.04	69	1388816	9.692	ppbv # 59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4239940	8.860	ppbv #	93
45) t-1,3-Dichloropropene	9.30	75	1618181	10.963	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1911162	10.393	ppbv #	75
47) 1,1,2-Trichloroethane	9.50	97	1671177	9.264	ppbv	92
48) Dibromochloromethane	10.33	129	3086496	10.200	ppbv	99
49) Bromoform	13.08	173	3103435	10.646	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2256761	9.431	ppbv #	81
51) 2-Hexanone	10.16	43	1951269	9.674	ppbv #	79
52) Tetrachloroethene	11.26	164	2025798	9.063	ppbv #	84
53) Toluene	9.83	91	4322301	9.158	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2724422	9.299	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2386159	9.222	ppbv	98
57) Chlorobenzene	12.18	112	3795207	8.335	ppbv #	81
58) Ethyl Benzene	12.74	91	5643605	8.571	ppbv #	84
59) m/p-Xylene	13.03	91	9157084m	16.451	ppbv	
60) o-Xylene	13.73	91	4636504	8.570	ppbv	86
61) Styrene	13.56	104	3946077	9.027	ppbv #	90
62) Isopropylbenzene	14.71	105	7237179	8.162	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.71	83	3235096	8.325	ppbv	97
64) n-propylbenzene	15.60	120	2422158	8.863	ppbv #	45
65) tert-Butylbenzene	16.78	119	7060764	8.195	ppbv #	82
66) Benzyl Chloride	17.03	91	2496005	12.043	ppbv #	88
67) sec-Butylbenzene	17.34	105	8960329	7.902	ppbv #	83
69) p-Isopropyltoluene	17.70	119	8115665	8.066	ppbv #	89
70) n-Butylbenzene	18.59	91	7688084	8.089	ppbv #	90
71) 2-Chlorotoluene	15.49	91	5503271	8.554	ppbv	77
72) 4-Ethyltoluene	15.88	105	6100635	8.593	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.04	105	5656033	8.562	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.81	105	5862127	8.167	ppbv	90
75) 1,3-Dichlorobenzene	17.04	146	4551484	8.210	ppbv	92
76) 1,4-Dichlorobenzene	17.18	146	4609145	8.436	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	4518496	8.321	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3455733	8.049	ppbv	97
79) Naphthalene	22.25	128	8481092	8.390	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	4276517	10.238	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.98	180	5114207	8.393	ppbv	99

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

