

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035427.D
 Acq On : 17 Aug 2020 19:49
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081720

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:53 AM

Quant Time: Aug 17 20:36:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 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	1113092	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	5235361	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5343603m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3765311	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1688747	8.186	ppbv	99
3) Chlorodifluoromethane	2.99	51	1259463	9.024	ppbv #	91
4) Chloromethane	3.14	50	663251	9.122	ppbv	95
5) Vinyl Chloride	3.26	62	810312	9.325	ppbv	96
6) Bromomethane	3.48	94	719252	9.465	ppbv	99
7) Chloroethane	3.56	64	299154	9.345	ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	2315863	8.767	ppbv #	58
9) Propene	3.01	41	506375	9.027	ppbv	99
10) Heptane	8.15	43	1347516	9.162	ppbv #	79
11) Trichlorofluoromethane	3.96	101	2834631	8.757	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2145119	8.893	ppbv #	81
13) Ethanol	3.61	45	120153	5.846	ppbv	98
14) Bromoethene	3.74	108	1016770	9.538	ppbv #	94
15) Acetone	3.86	43	1024877	8.000	ppbv #	83
16) 1,3-Butadiene	3.33	39	484868	9.333	ppbv #	65
17) tert-Butyl alcohol	4.30	59	1645257	9.936	ppbv	98
18) 1,1-Dichloroethene	4.30	96	1001222	9.400	ppbv #	59
19) Isopropyl Alcohol	3.98	45	810811	9.182	ppbv #	99
20) Methylene Chloride	4.35	84	790604	7.648	ppbv #	65
21) Allyl Chloride	4.42	41	648746	9.965	ppbv #	83
22) trans-1,2-Dichloroethene	4.90	96	1052332	9.258	ppbv #	64
23) Vinyl Acetate	5.09	43	1753111	9.572	ppbv #	93
24) 1,1-Dichloroethane	5.02	63	1671060	9.142	ppbv #	94
25) Ethyl Acetate	5.69	43	2182334	8.754	ppbv #	92
26) Hexane	5.70	57	1238916	8.806	ppbv #	75
27) Carbon Disulfide	4.56	76	2096494	10.309	ppbv #	85
28) Methyl tert-Butyl Ether	5.05	73	2455216	9.553	ppbv	91
29) Chloroform	5.77	83	2581862	9.134	ppbv	96
30) Cyclohexane	7.15	84	1505702	9.646	ppbv #	60
31) cis-1,2-Dichloroethene	5.56	61	1398131	9.449	ppbv #	61
32) 1,1,1-Trichloroethane	6.53	97	2679757	10.115	ppbv #	89
34) 2-Butanone	5.26	43	1532168	8.759	ppbv #	72
35) Carbon Tetrachloride	7.04	117	2837376	10.190	ppbv	100
36) Benzene	6.91	78	3399974	8.848	ppbv #	92
37) 1,2-Dichloroethane	6.33	62	1570041	8.941	ppbv #	89
38) Trichloroethene	7.86	130	1907417	8.924	ppbv #	82
39) 1,2-Dichloropropane	7.64	63	1133350	8.949	ppbv #	85
40) 1,4-Dioxane	7.86	88	597087	8.655	ppbv #	26
41) Tetrahydrofuran	6.06	42	893456	9.260	ppbv #	60
42) Bromodichloromethane	7.82	83	2791122	9.498	ppbv #	97
43) Methyl Methacrylate	8.04	69	1409461	9.380	ppbv #	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4270910	8.512	ppbv #	92
45) t-1,3-Dichloropropene	9.30	75	1653878	10.685	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1929713	10.008	ppbv #	74
47) 1,1,2-Trichloroethane	9.50	97	1693931	8.955	ppbv	93
48) Dibromochloromethane	10.33	129	3103317	9.780	ppbv	100
49) Bromoform	13.08	173	3115167	10.191	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2251357	8.973	ppbv #	81
51) 2-Hexanone	10.16	43	1933418	9.142	ppbv #	77
52) Tetrachloroethene	11.25	164	2057388	8.778	ppbv #	84
53) Toluene	9.83	91	4376516	8.843	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2748073	8.945	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	2401432	9.474	ppbv	98
57) Chlorobenzene	12.18	112	3840231	8.610	ppbv #	80
58) Ethyl Benzene	12.74	91	5720001	8.867	ppbv #	84
59) m/p-Xylene	13.03	91	9579627m	17.568	ppbv	
60) o-Xylene	13.73	91	4638072	8.752	ppbv	85
61) Styrene	13.56	104	4016478	9.379	ppbv #	89
62) Isopropylbenzene	14.70	105	7300647	8.405	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.71	83	3226621	8.476	ppbv	97
64) n-propylbenzene	15.60	120	2456253	9.175	ppbv #	44
65) tert-Butylbenzene	16.79	119	7126245	8.443	ppbv #	82
66) Benzyl Chloride	17.03	91	2461242	12.122	ppbv #	88
67) sec-Butylbenzene	17.33	105	9017101	8.117	ppbv #	82
69) p-Isopropyltoluene	17.69	119	8240941	8.361	ppbv #	88
70) n-Butylbenzene	18.59	91	7794232	8.372	ppbv #	89
71) 2-Chlorotoluene	15.49	91	5583190	8.859	ppbv	77
72) 4-Ethyltoluene	15.88	105	6159153	8.856	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.04	105	5735561	8.863	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.80	105	5954112	8.468	ppbv #	91
75) 1,3-Dichlorobenzene	17.04	146	4647049	8.557	ppbv	92
76) 1,4-Dichlorobenzene	17.18	146	4714924	8.809	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	4625471	8.695	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3484018	8.284	ppbv	97
79) Naphthalene	22.25	128	8527180	8.611	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	4244511	10.373	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.98	180	5207833	8.725	ppbv	99

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

