

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035429.D
 Acq On : 17 Aug 2020 22:26
 Operator : SY/AP
 Sample : VL0817ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0817ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:55 AM

Quant Time: Aug 18 06:59:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 18 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	1080119	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4957071	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5229552m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3632408	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1763461	8.809	ppbv	98
3) Chlorodifluoromethane	2.99	51	1219741	9.007	ppbv #	91
4) Chloromethane	3.14	50	645872	9.154	ppbv	95
5) Vinyl Chloride	3.26	62	770227	9.135	ppbv	99
6) Bromomethane	3.47	94	678924	9.207	ppbv	97
7) Chloroethane	3.56	64	279637	9.002	ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	2233165	8.712	ppbv #	57
9) Propene	3.01	41	492523	9.048	ppbv	99
10) Heptane	8.14	43	1317389	9.230	ppbv #	79
11) Trichlorofluoromethane	3.95	101	2801368	8.918	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2092856	8.941	ppbv #	77
13) Ethanol	3.61	45	111619	5.597	ppbv	98
14) Bromoethene	3.75	108	947693	9.161	ppbv #	95
15) Acetone	3.85	43	975001	7.843	ppbv #	83
16) 1,3-Butadiene	3.33	39	469113	9.305	ppbv #	67
17) tert-Butyl alcohol	4.30	59	1518245	9.449	ppbv	98
18) 1,1-Dichloroethene	4.29	96	955349	9.243	ppbv #	62
19) Isopropyl Alcohol	3.97	45	751421	8.769	ppbv #	98
20) Methylene Chloride	4.35	84	748285	7.460	ppbv #	64
21) Allyl Chloride	4.42	41	613051	9.704	ppbv #	82
22) trans-1,2-Dichloroethene	4.89	96	1016369	9.215	ppbv #	64
23) Vinyl Acetate	5.09	43	1672764	9.412	ppbv #	93
24) 1,1-Dichloroethane	5.02	63	1609877	9.077	ppbv #	93
25) Ethyl Acetate	5.69	43	2106951	8.709	ppbv #	93
26) Hexane	5.70	57	1204276	8.821	ppbv #	74
27) Carbon Disulfide	4.56	76	1982284	10.045	ppbv #	85
28) Methyl tert-Butyl Ether	5.04	73	2290850	9.186	ppbv	92
29) Chloroform	5.77	83	2486918	9.066	ppbv	96
30) Cyclohexane	7.15	84	1433455	9.464	ppbv #	60
31) cis-1,2-Dichloroethene	5.56	61	1332694	9.282	ppbv #	63
32) 1,1,1-Trichloroethane	6.53	97	2570904	10.001	ppbv #	89
34) 2-Butanone	5.26	43	1480960	8.942	ppbv #	74
35) Carbon Tetrachloride	7.04	117	2762933	10.480	ppbv	97
36) Benzene	6.91	78	3247338	8.926	ppbv #	93
37) 1,2-Dichloroethane	6.32	62	1527719	9.188	ppbv #	89
38) Trichloroethene	7.85	130	1825145	9.018	ppbv #	82
39) 1,2-Dichloropropane	7.64	63	1093548	9.120	ppbv #	84
40) 1,4-Dioxane	7.85	88	547908	8.388	ppbv #	32
41) Tetrahydrofuran	6.06	42	859334	9.406	ppbv #	62
42) Bromodichloromethane	7.81	83	2674307	9.612	ppbv #	97
43) Methyl Methacrylate	8.03	69	1344947	9.453	ppbv #	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4125058	8.682	ppbv #	92
45) t-1,3-Dichloropropene	9.30	75	1571835	10.725	ppbv	95
46) cis-1,3-Dichloropropene	8.73	75	1853693	10.153	ppbv #	76
47) 1,1,2-Trichloroethane	9.50	97	1624586	9.071	ppbv	91
48) Dibromochloromethane	10.33	129	3027972	10.078	ppbv	99
49) Bromoform	13.07	173	3060835	10.575	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2201265	9.266	ppbv #	82
51) 2-Hexanone	10.16	43	1894499	9.460	ppbv #	78
52) Tetrachloroethene	11.25	164	2005212	9.036	ppbv #	83
53) Toluene	9.83	91	4215634	8.996	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2643202	9.087	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	2334104	9.409	ppbv	96
57) Chlorobenzene	12.18	112	3729130	8.543	ppbv #	81
58) Ethyl Benzene	12.74	91	5550829	8.793	ppbv #	83
59) m/p-Xylene	13.03	91	8906443m	16.690	ppbv	
60) o-Xylene	13.73	91	4544335	8.762	ppbv	86
61) Styrene	13.56	104	3881134	9.261	ppbv #	90
62) Isopropylbenzene	14.70	105	7160024	8.423	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	13.71	83	3161268	8.485	ppbv	97
64) n-propylbenzene	15.60	120	2397085	9.149	ppbv #	44
65) tert-Butylbenzene	16.78	119	6995869	8.469	ppbv #	82
66) Benzyl Chloride	17.03	91	2357666	11.866	ppbv #	88
67) sec-Butylbenzene	17.33	105	8865824	8.155	ppbv #	82
69) p-Isopropyltoluene	17.69	119	8154047	8.453	ppbv #	89
70) n-Butylbenzene	18.59	91	7679240	8.428	ppbv #	90
71) 2-Chlorotoluene	15.49	91	5432834	8.808	ppbv	77
72) 4-Ethyltoluene	15.88	105	6037374	8.870	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	5656578	8.932	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.80	105	5831828	8.475	ppbv #	91
75) 1,3-Dichlorobenzene	17.03	146	4558742	8.577	ppbv	91
76) 1,4-Dichlorobenzene	17.18	146	4640257	8.859	ppbv	91
77) 1,2-Dichlorobenzene	17.85	146	4553738	8.747	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3517093	8.545	ppbv	98
79) Naphthalene	22.25	128	8388271	8.656	ppbv	97
80) Naphthalene, 2-methyl-	25.00	142	3957310	9.882	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.98	180	5166290	8.844	ppbv	99

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

