

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035629.D
 Acq On : 16 Sep 2020 14:28
 Operator : SY/AP
 Sample : VL0916ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:52:23 PM

Quant Time: Sep 17 07:18:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1094229	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4521756	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4722184m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3370151	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1627289	8.581	ppbv	98
3) Chlorodifluoromethane	2.98	51	1219723	10.079	ppbv	99
4) Chloromethane	3.13	50	657763	10.145	ppbv	100
5) Vinyl Chloride	3.25	62	785877	9.831	ppbv	100
6) Bromomethane	3.46	94	680576	10.136	ppbv	98
7) Chloroethane	3.55	64	295601	10.460	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2246943	9.784	ppbv	95
9) Propene	3.00	41	462754	9.919	ppbv	99
10) Heptane	8.12	43	1335361	10.656	ppbv	100
11) Trichlorofluoromethane	3.94	101	2706216	9.786	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2059368	9.867	ppbv	94
13) Ethanol	3.59	45	105178	9.092	ppbv	96
14) Bromoethene	3.73	108	926527	10.313	ppbv	99
15) Acetone	3.84	43	1085596	8.995	ppbv	100
16) 1,3-Butadiene	3.32	39	480990	10.706	ppbv	98
17) tert-Butyl alcohol	4.29	59	1385306	9.430	ppbv	100
18) 1,1-Dichloroethene	4.28	96	962126	10.468	ppbv	98
19) Isopropyl Alcohol	3.96	45	677979	9.417	ppbv	100
20) Methylene Chloride	4.34	84	855907	9.522	ppbv	97
21) Allyl Chloride	4.40	41	642918	11.371	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	1008123	10.303	ppbv	97
23) Vinyl Acetate	5.07	43	1681058	10.853	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1641402	10.297	ppbv	99
25) Ethyl Acetate	5.67	43	2205738	10.346	ppbv	100
26) Hexane	5.68	57	1272728	10.536	ppbv	98
27) Carbon Disulfide	4.54	76	2074683	11.968	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2226321	10.574	ppbv	99
29) Chloroform	5.75	83	2524945	10.259	ppbv	100
30) Cyclohexane	7.13	84	1398543	10.807	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1338797	10.802	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2491995	10.437	ppbv	99
34) 2-Butanone	5.24	43	1508855	11.244	ppbv	99
35) Carbon Tetrachloride	7.01	117	2584256	11.371	ppbv	100
36) Benzene	6.89	78	3205181	10.950	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1557320	11.160	ppbv	99
38) Trichloroethene	7.83	130	1642586	9.661	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1086106	10.984	ppbv	98
40) 1,4-Dioxane	7.83	88	536396	10.860	ppbv	80
41) Tetrahydrofuran	6.04	42	843249	11.850	ppbv	99
42) Bromodichloromethane	7.79	83	2669695	11.830	ppbv	99
43) Methyl Methacrylate	8.01	69	1349173	11.921	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4179664	10.853	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1509998	13.170	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1792265	12.590	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1591814	10.910	ppbv	98
48) Dibromochloromethane	10.31	129	2707520	11.791	ppbv	100
49) Bromoform	13.05	173	2484593	11.939	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2261214	11.637	ppbv	100
51) 2-Hexanone	10.14	43	1952625	12.250	ppbv	99
52) Tetrachloroethene	11.23	164	1609338	9.412	ppbv	97
53) Toluene	9.81	91	4067784	11.051	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2510719	10.891	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	2106656	10.964	ppbv	96
57) Chlorobenzene	12.15	112	3461350	9.960	ppbv	97
58) Ethyl Benzene	12.72	91	5313228	10.911	ppbv	100
59) m/p-Xylene	13.01	91	9048468m	22.238	ppbv	
60) o-Xylene	13.70	91	4442234	10.840	ppbv	99
61) Styrene	13.54	104	3571200	11.394	ppbv	99
62) Isopropylbenzene	14.68	105	6711117	10.195	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3240727	10.200	ppbv	99
64) n-propylbenzene	15.57	120	2126197	10.584	ppbv	94
65) tert-Butylbenzene	16.76	119	6339546	10.360	ppbv	97
66) Benzyl Chloride	17.00	91	2262292	14.875	ppbv	98
67) sec-Butylbenzene	17.31	105	8357964	10.251	ppbv	98
69) p-Isopropyltoluene	17.67	119	7257977	10.149	ppbv	98
70) n-Butylbenzene	18.56	91	7227228	10.491	ppbv	99
71) 2-Chlorotoluene	15.46	91	5204928	10.857	ppbv	97
72) 4-Ethyltoluene	15.85	105	5573459	10.698	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5197659	10.786	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5449439	10.298	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	3771000	9.620	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3812909	9.863	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3740766	9.850	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	2290118	9.445	ppbv	100
79) Naphthalene	22.22	128	6376327	10.859	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2242430	11.189	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3488754	9.921	ppbv	100

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

