

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035598.D
 Acq On : 14 Sep 2020 14:05
 Operator : SY/AP
 Sample : VL0914ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0914ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 5:39:59 PM

Quant Time: Sep 15 10:33:22 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	1058928	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4380202	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4590452m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3346506	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1425068	7.766	ppbv	99
3) Chlorodifluoromethane	2.98	51	1103704	9.424	ppbv	99
4) Chloromethane	3.13	50	613774	9.782	ppbv	99
5) Vinyl Chloride	3.25	62	713577	9.224	ppbv	99
6) Bromomethane	3.46	94	632243	9.730	ppbv	97
7) Chloroethane	3.55	64	271586	9.930	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2075500	9.339	ppbv	95
9) Propene	3.00	41	428479	9.490	ppbv	100
10) Heptane	8.12	43	1236147	10.193	ppbv	100
11) Trichlorofluoromethane	3.94	101	2509503	9.377	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1919255	9.502	ppbv	95
13) Ethanol	3.59	45	94838	8.472	ppbv	98
14) Bromoethene	3.73	108	840036	9.662	ppbv	99
15) Acetone	3.84	43	1186118	10.156	ppbv	98
16) 1,3-Butadiene	3.32	39	441523	10.156	ppbv	100
17) tert-Butyl alcohol	4.29	59	1235371	8.690	ppbv	100
18) 1,1-Dichloroethene	4.28	96	881957	9.916	ppbv	98
19) Isopropyl Alcohol	3.96	45	623579	8.950	ppbv	# 97
20) Methylene Chloride	4.34	84	783764	9.010	ppbv	96
21) Allyl Chloride	4.40	41	586925	10.727	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	924963	9.768	ppbv	96
23) Vinyl Acetate	5.07	43	1600875	10.680	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1490593	9.663	ppbv	99
25) Ethyl Acetate	5.67	43	2010667	9.745	ppbv	100
26) Hexane	5.68	57	1151852	9.853	ppbv	99
27) Carbon Disulfide	4.54	76	1891591	11.276	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1972222	9.680	ppbv	99
29) Chloroform	5.75	83	2314067	9.715	ppbv	100
30) Cyclohexane	7.13	84	1263935	10.092	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1208352	10.075	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2277188	9.855	ppbv	98
34) 2-Butanone	5.24	43	1390934	10.700	ppbv	99
35) Carbon Tetrachloride	7.02	117	2383775	10.828	ppbv	99
36) Benzene	6.89	78	2932471	10.342	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1410329	10.433	ppbv	99
38) Trichloroethene	7.84	130	1521193	9.236	ppbv	96
39) 1,2-Dichloropropane	7.62	63	988974	10.325	ppbv	97
40) 1,4-Dioxane	7.83	88	512312	10.707	ppbv	87
41) Tetrahydrofuran	6.05	42	764775	11.095	ppbv	99
42) Bromodichloromethane	7.79	83	2419334	11.067	ppbv	98
43) Methyl Methacrylate	8.02	69	1245477	11.360	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3864917	10.360	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1382464	12.447	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1644755	11.927	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1448448	10.248	ppbv	98
48) Dibromochloromethane	10.31	129	2480678	11.152	ppbv	100
49) Bromoform	13.05	173	2241950	11.121	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2092262	11.115	ppbv	100
51) 2-Hexanone	10.14	43	1822528	11.803	ppbv #	99
52) Tetrachloroethene	11.23	164	1476291	8.913	ppbv	97
53) Toluene	9.81	91	3737829	10.483	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2296957	10.285	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	1938124	10.376	ppbv	99
57) Chlorobenzene	12.16	112	3221141	9.534	ppbv	97
58) Ethyl Benzene	12.72	91	4935351	10.426	ppbv	99
59) m/p-Xylene	13.01	91	8479756m	21.438	ppbv	
60) o-Xylene	13.70	91	4149503	10.416	ppbv	98
61) Styrene	13.54	104	3299977	10.831	ppbv	99
62) Isopropylbenzene	14.68	105	6266498	9.792	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	2984227	9.662	ppbv	99
64) n-propylbenzene	15.58	120	1966043	10.067	ppbv	91
65) tert-Butylbenzene	16.76	119	5864018	9.857	ppbv	97
66) Benzyl Chloride	17.01	91	2141528	14.485	ppbv	97
67) sec-Butylbenzene	17.31	105	7790402	9.830	ppbv	97
69) p-Isopropyltoluene	17.67	119	6778421	9.750	ppbv	98
70) n-Butylbenzene	18.57	91	6791958	10.143	ppbv	98
71) 2-Chlorotoluene	15.46	91	4857148	10.423	ppbv	97
72) 4-Ethyltoluene	15.85	105	5243931	10.354	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4834940	10.321	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	5100507	9.915	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	3515216	9.225	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	3555141	9.460	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3422186	9.270	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	2080867	8.829	ppbv	100
79) Naphthalene	22.22	128	5928866	10.387	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2200003	11.292	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3189577	9.331	ppbv	100

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

