

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035652.D
 Acq On : 17 Sep 2020 8:43
 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 1:53:12 PM

Quant Time: Sep 17 10:27:03 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 15:19:50 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	5.67	49	1127932	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4884306	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5014673m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3500512	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1671272	8.550	ppbv	100
3) Chlorodifluoromethane	2.98	51	1234266	9.894	ppbv	99
4) Chloromethane	3.13	50	657007	9.830	ppbv	99
5) Vinyl Chloride	3.25	62	809174	9.820	ppbv	100
6) Bromomethane	3.47	94	711124	10.275	ppbv	99
7) Chloroethane	3.55	64	310065	10.643	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2283664	9.647	ppbv	93
9) Propene	3.00	41	471761	9.809	ppbv	99
10) Heptane	8.13	43	1310255	10.143	ppbv	98
11) Trichlorofluoromethane	3.95	101	2571001	9.019	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1999885	9.295	ppbv	90
13) Ethanol	3.60	45	126342	10.596	ppbv	98
14) Bromoethene	3.74	108	954818	10.310	ppbv	99
15) Acetone	3.85	43	1069995	8.601	ppbv	99
16) 1,3-Butadiene	3.32	39	479563	10.356	ppbv	98
17) tert-Butyl alcohol	4.29	59	1718991	11.352	ppbv	99
18) 1,1-Dichloroethene	4.29	96	955706	10.087	ppbv	95
19) Isopropyl Alcohol	3.96	45	861032	11.602	ppbv	99
20) Methylene Chloride	4.34	84	818896	8.838	ppbv	96
21) Allyl Chloride	4.41	41	669249	11.483	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	980008	9.716	ppbv	91
23) Vinyl Acetate	5.08	43	1706024	10.685	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1661816	10.114	ppbv	100
25) Ethyl Acetate	5.68	43	2212434	10.067	ppbv	99
26) Hexane	5.69	57	1280219	10.281	ppbv	98
27) Carbon Disulfide	4.55	76	2078794	11.633	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2353338	10.844	ppbv	100
29) Chloroform	5.76	83	2550113	10.051	ppbv	100
30) Cyclohexane	7.13	84	1461102	10.953	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1374654	10.760	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2537269	10.309	ppbv	100
34) 2-Butanone	5.25	43	1511800	10.430	ppbv	99
35) Carbon Tetrachloride	7.02	117	2587260	10.540	ppbv	98
36) Benzene	6.90	78	3324758	10.516	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1568806	10.408	ppbv	100
38) Trichloroethene	7.84	130	1669005	9.088	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1115271	10.442	ppbv	99
40) 1,4-Dioxane	7.84	88	598382	11.215	ppbv	97
41) Tetrahydrofuran	6.05	42	860113	11.190	ppbv	97
42) Bromodichloromethane	7.80	83	2700430	11.078	ppbv	100
43) Methyl Methacrylate	8.02	69	1397911	11.434	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4254282	10.227	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1604943	12.959	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1893227	12.312	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1642225	10.420	ppbv	98
48) Dibromochloromethane	10.32	129	2735134	11.027	ppbv	100
49) Bromoform	13.06	173	2447200	10.887	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2214693	10.551	ppbv	98
51) 2-Hexanone	10.14	43	1880940	10.924	ppbv	98
52) Tetrachloroethene	11.24	164	1657929	8.976	ppbv	96
53) Toluene	9.82	91	4209558	10.588	ppbv	99
54) 1,2-Dibromoethane	10.63	107	2601770	10.448	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	2120961	10.395	ppbv	99
57) Chlorobenzene	12.16	112	3572985	9.681	ppbv	98
58) Ethyl Benzene	12.73	91	5457177	10.553	ppbv	99
59) m/p-Xylene	13.01	91	9200310m	21.292	ppbv	
60) o-Xylene	13.71	91	4469945	10.271	ppbv	99
61) Styrene	13.55	104	3696345	11.105	ppbv	99
62) Isopropylbenzene	14.69	105	6820864	9.757	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	3199848	9.484	ppbv	100
64) n-propylbenzene	15.58	120	2162511	10.137	ppbv	95
65) tert-Butylbenzene	16.77	119	6355335	9.780	ppbv	98
66) Benzyl Chloride	17.01	91	2458364	15.222	ppbv	98
67) sec-Butylbenzene	17.32	105	8391252	9.692	ppbv	98
69) p-Isopropyltoluene	17.68	119	7301770	9.614	ppbv	99
70) n-Butylbenzene	18.57	91	7185186	9.822	ppbv	99
71) 2-Chlorotoluene	15.47	91	5240488	10.294	ppbv	98
72) 4-Ethyltoluene	15.86	105	5678863	10.264	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	5230131	10.220	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	5417791	9.641	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	3734036	8.970	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3813843	9.290	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	3722385	9.230	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	2036620	7.910	ppbv	100
79) Naphthalene	22.23	128	6367062	10.211	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	2547195	11.968	ppbv	100
81) 1,2,4-Trichlorobenzene	21.96	180	3276373	8.774	ppbv	100

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

