

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036219.D
 Acq On : 13 Jan 2021 9:38
 Operator : SY/AP
 Sample : VL0113ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABS01

Manual Integrations
 APPROVED

MMDadoda
 1/18/2021 3:49:11 PM

Quant Time: Jan 14 16:20:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:20:34 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1473879	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3318776	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3177473m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2629874	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1682395	8.515	ppbv	100
3) Chlorodifluoromethane	2.98	51	1688445	9.328	ppbv	100
4) Chloromethane	3.13	50	798119	8.921	ppbv	96
5) Vinyl Chloride	3.25	62	806448	9.526	ppbv	98
6) Bromomethane	3.47	94	432807m	9.145	ppbv	
7) Chloroethane	3.56	64	276947	9.499	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1744102	9.112	ppbv	100
9) Propene	3.00	41	772975	8.967	ppbv	99
10) Heptane	8.12	43	2012466	9.406	ppbv	100
11) Trichlorofluoromethane	3.94	101	1778795	8.856	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1139721	9.359	ppbv	98
13) Ethanol	3.60	45	108931m	8.048	ppbv	
14) Bromoethene	3.74	108	510184	9.201	ppbv	99
15) Acetone	3.84	43	1471920	8.154	ppbv	98
16) 1,3-Butadiene	3.32	39	828648	9.423	ppbv	98
17) tert-Butyl alcohol	4.29	59	1414127	9.494	ppbv	99
18) 1,1-Dichloroethene	4.29	96	520986m	9.228	ppbv	
19) Isopropyl Alcohol	3.96	45	964067	8.859	ppbv #	97
20) Methylene Chloride	4.34	84	464528m	8.063	ppbv	
21) Allyl Chloride	4.41	41	954032	9.710	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	491468	9.422	ppbv	91
23) Vinyl Acetate	5.07	43	2102380	9.612	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1490094	9.405	ppbv	99
25) Ethyl Acetate	5.67	43	3279015	9.048	ppbv	100
26) Hexane	5.68	57	1333821	8.840	ppbv	99
27) Carbon Disulfide	4.55	76	1335435	11.069	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1880294	9.215	ppbv	98
29) Chloroform	5.75	83	2039614	9.441	ppbv	98
30) Cyclohexane	7.13	84	1109574	9.623	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1400472	9.711	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2011585	9.627	ppbv	99
34) 2-Butanone	5.24	43	2121626	8.681	ppbv	99
35) Carbon Tetrachloride	7.02	117	2020401	9.635	ppbv	97
36) Benzene	6.89	78	2768603	9.104	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1715165	9.373	ppbv	100
38) Trichloroethene	7.83	130	886542	7.871	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1154640	9.352	ppbv	97
40) 1,4-Dioxane	7.83	88	368037m	8.240	ppbv	
41) Tetrahydrofuran	6.05	42	1313922	9.302	ppbv	96
42) Bromodichloromethane	7.79	83	2229330	9.693	ppbv	98
43) Methyl Methacrylate	8.01	69	1244118	9.627	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4827559	8.643	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1378513	11.231	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1657597	10.509	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1082574	9.165	ppbv	96
48) Dibromochloromethane	10.30	129	1764555	10.211	ppbv	99
49) Bromoform	13.04	173	1455393	10.090	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	3373539	9.257	ppbv	99
51) 2-Hexanone	10.13	43	2821928	9.816	ppbv #	100
52) Tetrachloroethene	11.22	164	885290	7.900	ppbv	98
53) Toluene	9.80	91	3124411	9.185	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1598854	9.132	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1293010	9.119	ppbv #	57
57) Chlorobenzene	12.15	112	2162028	8.672	ppbv	99
58) Ethyl Benzene	12.71	91	4222441	8.955	ppbv	100
59) m/p-Xylene	12.99	91	7039769m	17.375	ppbv	
60) o-Xylene	13.69	91	3290422	8.425	ppbv	100
61) Styrene	13.53	104	2370829	9.614	ppbv	100
62) Isopropylbenzene	14.67	105	4935011	8.499	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2304112	7.924	ppbv	100
64) n-propylbenzene	15.56	120	1268600	8.892	ppbv	100
65) tert-Butylbenzene	16.74	119	4153040	8.441	ppbv	99
66) Benzyl Chloride	17.00	91	1458026	11.599	ppbv	98
67) sec-Butylbenzene	17.29	105	6012363	8.232	ppbv	100
69) p-Isopropyltoluene	17.65	119	4933805	8.518	ppbv	100
70) n-Butylbenzene	18.55	91	5279017	8.553	ppbv	99
71) 2-Chlorotoluene	15.45	91	3927696	8.606	ppbv	100
72) 4-Ethyltoluene	15.84	105	3940382	8.941	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3707497	8.825	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	3666102	8.507	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	1946452	8.422	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1967077	8.615	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1956079	8.665	ppbv	98
78) Hexachloro-1,3-Butadiene	23.38	225	1450827	8.035	ppbv	99
79) Naphthalene	22.20	128	2788852	11.071	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1007972	18.753	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	1421765	9.668	ppbv	99

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

