

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036061.D
 Acq On : 3 Dec 2020 21:49
 Operator : SY/AP
 Sample : VL1203ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

Manual Integrations
 APPROVED

SAM
 12/7/2020 12:13:47 PM

Quant Time: Dec 04 05:36:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 04
 QLast Update : Fri Dec 04 03:52:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1186998	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4220043	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4321612m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3272114	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1824670	8.931 ppbv	98
3) Chlorodifluoromethane	2.97	51	1349830	9.690 ppbv	100
4) Chloromethane	3.13	50	683774	9.983 ppbv	97
5) Vinyl Chloride	3.24	62	841056	9.671 ppbv	98
6) Bromomethane	3.46	94	689968	10.215 ppbv	99
7) Chloroethane	3.54	64	310783	9.980 ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	2379260	9.752 ppbv	98
9) Propene	3.00	41	490544	10.065 ppbv	99
10) Heptane	8.11	43	1527696	11.355 ppbv	100
11) Trichlorofluoromethane	3.93	101	2815337	10.234 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2118398	10.105 ppbv	99
13) Ethanol	3.59	45	77839	8.446 ppbv	97
14) Bromoethene	3.73	108	893887	10.460 ppbv	99
15) Acetone	3.84	43	1147451	8.933 ppbv	100
16) 1,3-Butadiene	3.31	39	554203	10.310 ppbv	97
17) tert-Butyl alcohol	4.28	59	1318916	9.951 ppbv	99
18) 1,1-Dichloroethene	4.28	96	956007	10.306 ppbv	100
19) Isopropyl Alcohol	3.96	45	608608	9.588 ppbv	99
20) Methylene Chloride	4.33	84	805634	7.608 ppbv	99
21) Allyl Chloride	4.40	41	687607	10.680 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	976665	10.490 ppbv	98
23) Vinyl Acetate	5.06	43	1590921	11.229 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1636316	9.888 ppbv	99
25) Ethyl Acetate	5.66	43	2529924	10.063 ppbv	99
26) Hexane	5.67	57	1326768	9.845 ppbv	99
27) Carbon Disulfide	4.54	76	2142152	11.187 ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2009352	10.092 ppbv	100
29) Chloroform	5.74	83	2540381	10.184 ppbv	96
30) Cyclohexane	7.12	84	1349471	11.219 ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1340360	10.963 ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2376723	10.407 ppbv	100
34) 2-Butanone	5.23	43	1540683	10.818 ppbv	99
35) Carbon Tetrachloride	7.01	117	2411759	10.996 ppbv	99
36) Benzene	6.88	78	3146636	10.742 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1570950	10.451 ppbv	100
38) Trichloroethene	7.83	130	1481504	11.414 ppbv	98
39) 1,2-Dichloropropane	7.60	63	1134507	10.317 ppbv	99
40) 1,4-Dioxane	7.82	88	416128	11.336 ppbv	# 1
41) Tetrahydrofuran	6.04	42	861640	11.446 ppbv	99
42) Bromodichloromethane	7.78	83	2633016	11.194 ppbv	98
43) Methyl Methacrylate	8.01	69	1318521	12.276 ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4596999	10.668	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1329275	13.236	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1711886	12.926	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1483070	10.621	ppbv	99
48) Dibromochloromethane	10.30	129	2356300	12.167	ppbv	100
49) Bromoform	13.03	173	1836759	12.807	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2533955	11.375	ppbv	100
51) 2-Hexanone	10.12	43	1988767	12.398	ppbv	99
52) Tetrachloroethene	11.22	164	1278273	11.346	ppbv	98
53) Toluene	9.80	91	3851695	12.031	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2173605	11.076	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1837831	10.413	ppbv	97
57) Chlorobenzene	12.14	112	3123523	9.820	ppbv	99
58) Ethyl Benzene	12.71	91	4938926	11.409	ppbv	98
59) m/p-Xylene	12.99	91	8539918m	21.730	ppbv	
60) o-Xylene	13.69	91	4201675	10.633	ppbv	100
61) Styrene	13.52	104	2862188	12.676	ppbv	99
62) Isopropylbenzene	14.66	105	6080571	10.354	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3010519	9.267	ppbv	100
64) n-propylbenzene	15.56	120	1726825	11.111	ppbv	100
65) tert-Butylbenzene	16.74	119	5283000	10.716	ppbv	99
66) Benzyl Chloride	16.99	91	1459764	12.390	ppbv	99
67) sec-Butylbenzene	17.29	105	7137446	10.555	ppbv	100
69) p-Isopropyltoluene	17.65	119	5696934	11.241	ppbv	100
70) n-Butylbenzene	18.55	91	5637725	11.150	ppbv	100
71) 2-Chlorotoluene	15.45	91	4488984	11.042	ppbv	100
72) 4-Ethyltoluene	15.83	105	4710897	11.528	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4319902	11.243	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4537404	10.606	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2616162	10.211	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2522968	10.422	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2409586	10.192	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1316837	10.098	ppbv	99
79) Naphthalene	22.20	128	2729339	13.364	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	727974	17.023	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1609444	11.655	ppbv	99

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

