

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010220\
 Data File : VL034545.D
 Acq On : 2 Jan 2020 13:22
 Operator : SY/AP
 Sample : VL0102ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:37:48 AM

Quant Time: Jan 03 05:33:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 3
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	974185	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1955718	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2047256	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1648201	9.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.01	85	1329530	8.654	ppbv	99
3) Chlorodifluoromethane	2.95	51	1097318	9.454	ppbv	99
4) Chloromethane	3.11	50	579224	8.401	ppbv	99
5) Vinyl Chloride	3.22	62	573533	8.495	ppbv	98
6) Bromomethane	3.45	94	334383	9.950	ppbv	95
7) Chloroethane	3.53	64	212630	9.038	ppbv	95
8) Dichlorotetrafluoroethane	3.16	85	1381623	8.966	ppbv	99
9) Propene	2.98	41	406857	9.092	ppbv	100
10) Heptane	8.14	43	1108920	9.596	ppbv	100
11) Trichlorofluoromethane	3.93	101	1638119	9.214	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1076569	9.520	ppbv	99
13) Ethanol	3.58	45	114955	9.258	ppbv	98
14) Bromoethene	3.72	108	428979	9.379	ppbv	98
15) Acetone	3.83	43	1158821	8.151	ppbv	99
16) 1,3-Butadiene	3.30	39	525209	9.605	ppbv	98
17) tert-Butyl alcohol	4.28	59	1168070	10.261	ppbv	99
18) 1,1-Dichloroethene	4.27	96	478943	9.723	ppbv	97
19) Isopropyl Alcohol	3.95	45	897867	9.756	ppbv	99
20) Methylene Chloride	4.33	84	415645	7.430	ppbv	99
21) Allyl Chloride	4.40	41	782401	9.575	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	477799	9.536	ppbv	91
23) Vinyl Acetate	5.07	43	1589528	9.684	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1206057	9.146	ppbv	99
25) Ethyl Acetate	5.68	43	1977619	8.907	ppbv	99
26) Hexane	5.69	57	878107	9.386	ppbv	96
27) Carbon Disulfide	4.54	76	1211517	10.245	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1516466	9.705	ppbv	100
29) Chloroform	5.76	83	1473686	9.104	ppbv	98
30) Cyclohexane	7.15	84	677705	9.746	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	919993	9.650	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	1527958	9.093	ppbv	100
34) 2-Butanone	5.24	43	1302151	9.317	ppbv	99
35) Carbon Tetrachloride	7.04	117	1634764	9.217	ppbv	100
36) Benzene	6.91	78	1628750	9.554	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1288042	9.304	ppbv	99
38) Trichloroethene	7.86	130	656514	9.533	ppbv	97
39) 1,2-Dichloropropane	7.64	63	662622	9.452	ppbv	94
40) 1,4-Dioxane	7.85	88	266587	9.396	ppbv #	98
41) Tetrahydrofuran	6.05	42	703755	9.816	ppbv	98
42) Bromodichloromethane	7.82	83	1626929	9.551	ppbv	96
43) Methyl Methacrylate	8.04	69	695769	10.005	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	2943516	9.334	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	923961	10.314	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1044376	10.199	ppbv	100
47) 1,1,2-Trichloroethane	9.51	97	706607	9.144	ppbv	97
48) Dibromochloromethane	10.34	129	1365234	10.191	ppbv	99
49) Bromoform	13.09	173	1223635	10.090	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	1958233	9.652	ppbv	100
51) 2-Hexanone	10.17	43	1599927	9.769	ppbv #	100
52) Tetrachloroethene	11.27	164	626436	9.416	ppbv	92
53) Toluene	9.84	91	1873853	10.005	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1132913	10.074	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.17	131	928799	9.398	ppbv	97
57) Chlorobenzene	12.19	112	1514104	8.964	ppbv	98
58) Ethyl Benzene	12.75	91	2679334	9.704	ppbv	98
59) m/p-Xylene	13.04	91	4512631m	18.691	ppbv	
60) o-Xylene	13.74	91	2315660	9.558	ppbv	98
61) Styrene	13.58	104	1598451	9.650	ppbv	99
62) Isopropylbenzene	14.72	105	3020428	9.531	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	1659126	8.537	ppbv	98
64) n-propylbenzene	15.61	120	793723	9.809	ppbv	99
65) tert-Butylbenzene	16.80	119	2750860	9.608	ppbv	99
66) Benzyl Chloride	17.05	91	1342069	10.695	ppbv	100
67) sec-Butylbenzene	17.35	105	3842440	9.556	ppbv	100
69) p-Isopropyltoluene	17.71	119	3188936	9.779	ppbv	100
70) n-Butylbenzene	18.61	91	3407609	9.684	ppbv	99
71) 2-Chlorotoluene	15.51	91	2388481	9.705	ppbv	99
72) 4-Ethyltoluene	15.89	105	2630725	9.704	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2567484	9.653	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	2667604	9.376	ppbv	94
75) 1,3-Dichlorobenzene	17.06	146	1511415	8.869	ppbv	98
76) 1,4-Dichlorobenzene	17.20	146	1473219	8.979	ppbv	98
77) 1,2-Dichlorobenzene	17.88	146	1496267	9.343	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1185948	7.801	ppbv	99
79) Naphthalene	22.28	128	2151866	10.041	ppbv	99
80) Naphthalene, 2-methyl-	25.03	142	502318	8.461	ppbv #	92
81) 1,2,4-Trichlorobenzene	22.01	180	1239593	8.883	ppbv	100

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

