

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031720\
 Data File : VL034916.D
 Acq On : 17 Mar 2020 14:47
 Operator : SY/AP
 Sample : VL0317ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:35:42 PM

Quant Time: Mar 18 07:15:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	962329	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2116647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2231045m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1790178	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1643082	12.469	ppbv 100
3) Chlorodifluoromethane	2.95	51	1068407	9.939	ppbv 97
4) Chloromethane	3.10	50	616341	10.145	ppbv 99
5) Vinyl Chloride	3.22	62	594624	10.180	ppbv # 88
6) Bromomethane	3.44	94	357852	10.524	ppbv 98
7) Chloroethane	3.52	64	220248	10.442	ppbv 97
8) Dichlorotetrafluoroethane	3.15	85	1349700	9.862	ppbv 96
9) Propene	2.97	41	489849	9.544	ppbv 100
10) Heptane	8.13	43	1309379	10.366	ppbv 98
11) Trichlorofluoromethane	3.92	101	1378201	9.830	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	965329	9.838	ppbv 96
13) Ethanol	3.57	45	136400	8.741	ppbv 97
14) Bromoethene	3.70	108	426252	10.059	ppbv 100
15) Acetone	3.82	43	1114587	8.936	ppbv 99
16) 1,3-Butadiene	3.29	39	558566	9.903	ppbv 99
17) tert-Butyl alcohol	4.27	59	970769	8.079	ppbv 99
18) 1,1-Dichloroethene	4.26	96	439467	10.114	ppbv 96
19) Isopropyl Alcohol	3.94	45	712233	9.043	ppbv # 41
20) Methylene Chloride	4.32	84	397975	10.092	ppbv 95
21) Allyl Chloride	4.39	41	781965	9.762	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	437971	9.935	ppbv 98
23) Vinyl Acetate	5.06	43	1769311	9.603	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1231932	9.974	ppbv 100
25) Ethyl Acetate	5.67	43	2161615	9.728	ppbv 99
26) Hexane	5.67	57	955055	9.981	ppbv 99
27) Carbon Disulfide	4.53	76	1124112	10.353	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1456448	9.148	ppbv 98
29) Chloroform	5.74	83	1472705	10.087	ppbv 97
30) Cyclohexane	7.13	84	810562	10.153	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	969885	9.911	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	1412981	9.933	ppbv 97
34) 2-Butanone	5.23	43	1438041	10.223	ppbv 99
35) Carbon Tetrachloride	7.02	117	1438130	10.924	ppbv 97
36) Benzene	6.89	78	1920688	10.180	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1168460	10.984	ppbv 98
38) Trichloroethene	7.84	130	720073	10.049	ppbv 96
39) 1,2-Dichloropropane	7.62	63	756911	10.126	ppbv 96
40) 1,4-Dioxane	7.84	88	298525m	10.575	ppbv
41) Tetrahydrofuran	6.04	42	816346	10.726	ppbv 100
42) Bromodichloromethane	7.80	83	1574892	10.862	ppbv 98
43) Methyl Methacrylate	8.02	69	864036	10.870	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3383245	10.612	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	984279	10.540	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1164931	10.498	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	799974	10.428	ppbv	98
48) Dibromochloromethane	10.32	129	1299792	10.463	ppbv	100
49) Bromoform	13.07	173	1171876	10.579	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2172346	10.728	ppbv	99
51) 2-Hexanone	10.15	43	1797932	10.926	ppbv #	99
52) Tetrachloroethene	11.24	164	677728	9.080	ppbv	99
53) Toluene	9.82	91	2257310	10.361	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1206321	10.447	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.15	131	993974	9.918	ppbv	100
57) Chlorobenzene	12.17	112	1687385	9.666	ppbv	95
58) Ethyl Benzene	12.74	91	3040165	10.062	ppbv	99
59) m/p-Xylene	13.02	91	5006052m	19.777	ppbv	
60) o-Xylene	13.72	91	2496188	10.100	ppbv	99
61) Styrene	13.55	104	1821803	10.504	ppbv	98
62) Isopropylbenzene	14.70	105	3712259	9.934	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	1782583	10.624	ppbv	100
64) n-propylbenzene	15.59	120	982827	10.105	ppbv	94
65) tert-Butylbenzene	16.78	119	3213811	9.838	ppbv	97
66) Benzyl Chloride	17.02	91	1249526	9.173	ppbv	96
67) sec-Butylbenzene	17.33	105	4608553	10.174	ppbv	99
69) p-Isopropyltoluene	17.69	119	3841306	10.113	ppbv	99
70) n-Butylbenzene	18.58	91	4104383	10.591	ppbv	99
71) 2-Chlorotoluene	15.48	91	2879382	10.174	ppbv	98
72) 4-Ethyltoluene	15.87	105	3008873	10.309	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2786000	10.197	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	2915637	10.358	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	1676793	9.879	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1673111	9.878	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1626783	9.888	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1337655	9.734	ppbv	99
79) Naphthalene	22.25	128	2745426	12.506	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1111927	19.382	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	1572765	11.277	ppbv	100

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

