

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052019\
 Data File : VL033737.D
 Acq On : 21 May 2019 8:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 21 10:44:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	995306	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2331858	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2445550m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2015441	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1373588	6.548 ppbv	99
3) Chlorodifluoromethane	3.01	51	1137787	9.980 ppbv	99
4) Chloromethane	3.17	50	623876	9.567 ppbv	99
5) Vinyl Chloride	3.29	62	634043	9.545 ppbv	99
6) Bromomethane	3.51	94	401030	9.895 ppbv	100
7) Chloroethane	3.60	64	234393	9.929 ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1630305	9.641 ppbv	100
9) Propene	3.03	41	463358	9.555 ppbv	99
10) Heptane	8.24	43	1284658	9.355 ppbv	100
11) Trichlorofluoromethane	4.00	101	1991085	9.946 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1341896	9.599 ppbv	99
13) Ethanol	3.64	45	108407	6.917 ppbv	99
14) Bromoethene	3.78	108	518609	10.091 ppbv	98
15) Acetone	3.90	43	1250146	9.053 ppbv	98
16) 1,3-Butadiene	3.36	39	569071	10.348 ppbv	99
17) tert-Butyl alcohol	4.35	59	1076545	9.641 ppbv	100
18) 1,1-Dichloroethene	4.35	96	583962	9.897 ppbv	93
19) Isopropyl Alcohol	4.02	45	794643	8.925 ppbv #	98
20) Methylene Chloride	4.40	84	495655	9.322 ppbv	98
21) Allyl Chloride	4.47	41	885278	10.278 ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	592922	9.803 ppbv	93
23) Vinyl Acetate	5.15	43	1828058	10.040 ppbv	99
24) 1,1-Dichloroethane	5.08	63	1290871	9.326 ppbv	99
25) Ethyl Acetate	5.76	43	2256010	9.300 ppbv	99
26) Hexane	5.77	57	979042	9.388 ppbv	97
27) Carbon Disulfide	4.61	76	1511373	10.563 ppbv	98
28) Methyl tert-Butyl Ether	5.10	73	1618423	9.519 ppbv	100
29) Chloroform	5.84	83	1708682	8.895 ppbv	98
30) Cyclohexane	7.24	84	839847	9.579 ppbv	99
31) cis-1,2-Dichloroethene	5.63	61	1004446	9.714 ppbv	98
32) 1,1,1-Trichloroethane	6.61	97	1757017	9.160 ppbv	99
34) 2-Butanone	5.32	43	1461606	10.112 ppbv	99
35) Carbon Tetrachloride	7.13	117	1929338	10.329 ppbv	97
36) Benzene	7.00	78	2032564	9.582 ppbv	100
37) 1,2-Dichloroethane	6.41	62	1328082	9.706 ppbv	99
38) Trichloroethene	7.96	130	852862	10.835 ppbv	97
39) 1,2-Dichloropropane	7.73	63	761418	9.628 ppbv	97
40) 1,4-Dioxane	7.95	88	298862	9.034 ppbv #	99
41) Tetrahydrofuran	6.14	42	793771	9.802 ppbv	99
42) Bromodichloromethane	7.91	83	1877956	10.025 ppbv	98
43) Methyl Methacrylate	8.13	69	828179	10.609 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3496420	9.753	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1168339	11.806	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	1293488	11.162	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	872155	9.708	ppbv	98
48) Dibromochloromethane	10.44	129	1659190	10.659	ppbv	99
49) Bromoform	13.19	173	1472738	11.244	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2253707	10.137	ppbv	100
51) 2-Hexanone	10.26	43	1860826	10.724	ppbv	99
52) Tetrachloroethene	11.36	164	787336	10.559	ppbv	98
53) Toluene	9.94	91	2435217	10.644	ppbv	100
54) 1,2-Dibromoethane	10.75	107	1401868	10.225	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1116676	9.868	ppbv	95
57) Chlorobenzene	12.29	112	1952173	9.698	ppbv	96
58) Ethyl Benzene	12.86	91	3442967	10.631	ppbv	100
59) m/p-Xylene	13.14	91	5758204m	20.340	ppbv	
60) o-Xylene	13.84	91	2932499	10.276	ppbv	100
61) Styrene	13.68	104	2163564	11.261	ppbv	99
62) Isopropylbenzene	14.82	105	3851962	10.023	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1996418	9.620	ppbv	100
64) n-propylbenzene	15.72	120	988691	9.945	ppbv	99
65) tert-Butylbenzene	16.90	119	3501263	9.978	ppbv	99
66) Benzyl Chloride	17.15	91	1989013	11.901	ppbv	100
67) sec-Butylbenzene	17.45	105	4874239	9.925	ppbv	100
69) p-Isopropyltoluene	17.81	119	4112583	10.131	ppbv	100
70) n-Butylbenzene	18.71	91	4270667	9.811	ppbv	99
71) 2-Chlorotoluene	15.61	91	2909261	10.203	ppbv	100
72) 4-Ethyltoluene	15.99	105	3388965	10.386	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3227888	10.139	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	3398659	9.809	ppbv	99
75) 1,3-Dichlorobenzene	17.16	146	1992133	9.383	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1965044	9.738	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1898194	9.515	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1738533	11.526	ppbv	99
79) Naphthalene	22.41	128	3881093	12.060	ppbv	100
80) Naphthalene, 2-methyl-	25.11	142	1898871	15.529	ppbv	100
81) 1,2,4-Trichlorobenzene	22.13	180	2003541	10.632	ppbv	100

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

