

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
 Data File : VL034372.D
 Acq On : 25 Oct 2019 20:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:36:52 PM

Quant Time: Oct 27 19:53:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	943093	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1904746	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2093006	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1661727	9.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	1629304	10.021	ppbv	100
3) Chlorodifluoromethane	2.96	51	1049263	9.492	ppbv	98
4) Chloromethane	3.12	50	555910	8.502	ppbv	96
5) Vinyl Chloride	3.24	62	541402	8.684	ppbv	97
6) Bromomethane	3.46	94	296977	9.728	ppbv	94
7) Chloroethane	3.54	64	200963	9.158	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1240879	8.808	ppbv	98
9) Propene	2.99	41	423758	8.648	ppbv	96
10) Heptane	8.16	43	1156131	9.193	ppbv	100
11) Trichlorofluoromethane	3.94	101	1404121	9.096	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	934482	9.240	ppbv	99
13) Ethanol	3.60	45	120633	10.995	ppbv	93
14) Bromoethene	3.73	108	384248	9.650	ppbv	98
15) Acetone	3.84	43	1023437	7.587	ppbv	99
16) 1,3-Butadiene	3.31	39	506404	9.239	ppbv	99
17) tert-Butyl alcohol	4.29	59	950556	11.041	ppbv	100
18) 1,1-Dichloroethene	4.29	96	409957	9.258	ppbv	99
19) Isopropyl Alcohol	3.96	45	800027	10.631	ppbv	100
20) Methylene Chloride	4.34	84	365636	7.498	ppbv	95
21) Allyl Chloride	4.41	41	713631	9.569	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	416404	9.428	ppbv	95
23) Vinyl Acetate	5.08	43	1588038	9.427	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1131844	9.053	ppbv	99
25) Ethyl Acetate	5.69	43	1963508	8.622	ppbv	99
26) Hexane	5.70	57	857304	8.832	ppbv	98
27) Carbon Disulfide	4.55	76	1040487	10.325	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	1425034	9.700	ppbv	99
29) Chloroform	5.77	83	1403892	9.143	ppbv	98
30) Cyclohexane	7.17	84	681973	9.553	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	929830	9.439	ppbv	97
32) 1,1,1-Trichloroethane	6.54	97	1369798	9.174	ppbv	99
34) 2-Butanone	5.26	43	1336729	8.586	ppbv	99
35) Carbon Tetrachloride	7.05	117	1418524	8.550	ppbv	97
36) Benzene	6.92	78	1639037	8.969	ppbv	98
37) 1,2-Dichloroethane	6.33	62	1201317	8.820	ppbv	100
38) Trichloroethene	7.88	130	645720	8.805	ppbv	96
39) 1,2-Dichloropropane	7.65	63	685991	8.717	ppbv	92
40) 1,4-Dioxane	7.87	88	286567m	10.362	ppbv	
41) Tetrahydrofuran	6.07	42	763376	8.835	ppbv	97
42) Bromodichloromethane	7.83	83	1554398	9.318	ppbv	98
43) Methyl Methacrylate	8.06	69	710018	9.394	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	2976326	8.799	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	912338	9.907	ppbv	100
46) cis-1,3-Dichloropropene	8.75	75	1041735	9.846	ppbv	97
47) 1,1,2-Trichloroethane	9.53	97	702940	8.819	ppbv	98
48) Dibromochloromethane	10.37	129	1283029	9.812	ppbv	98
49) Bromoform	13.11	173	1131686	9.767	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	2014538	9.038	ppbv	99
51) 2-Hexanone	10.18	43	1680863	9.200	ppbv	100
52) Tetrachloroethene	11.28	164	629379	8.786	ppbv	96
53) Toluene	9.86	91	1920426	9.522	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1117894	9.462	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	848830	8.800	ppbv	95
57) Chlorobenzene	12.21	112	1465087	8.391	ppbv	99
58) Ethyl Benzene	12.77	91	2687299	9.185	ppbv	96
59) m/p-Xylene	13.06	91	4372309m	17.248	ppbv	
60) o-Xylene	13.76	91	2223911	8.810	ppbv	99
61) Styrene	13.59	104	1606347	9.039	ppbv	99
62) Isopropylbenzene	14.73	105	2951795	8.858	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1582563	7.802	ppbv	99
64) n-propylbenzene	15.63	120	765292	8.949	ppbv	96
65) tert-Butylbenzene	16.82	119	2665017	9.024	ppbv	100
66) Benzyl Chloride	17.06	91	1137675	9.753	ppbv	99
67) sec-Butylbenzene	17.37	105	3701480	8.906	ppbv	99
69) p-Isopropyltoluene	17.73	119	3105473	9.165	ppbv	99
70) n-Butylbenzene	18.62	91	3330306	9.033	ppbv	98
71) 2-Chlorotoluene	15.53	91	2363451	9.147	ppbv	100
72) 4-Ethyltoluene	15.91	105	2592260	9.136	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2510721	8.930	ppbv	97
74) 1,2,4-Trimethylbenzene	16.84	105	2564856	8.748	ppbv	95
75) 1,3-Dichlorobenzene	17.07	146	1455549	8.269	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1442622	8.390	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1430027	8.286	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1217131	8.526	ppbv	99
79) Naphthalene	22.30	128	2259364	10.549	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	681481	11.008	ppbv	95
81) 1,2,4-Trichlorobenzene	22.02	180	1283375m	9.175	ppbv	

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

