

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050720\
 Data File : VL034963.D
 Acq On : 7 May 2020 10:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 5:22:26 PM

Quant Time: May 08 03:14:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1124937	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2660131	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2692746m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2016649	9.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1190698	7.458 ppbv	99
3) Chlorodifluoromethane	2.95	51	1155295	8.995 ppbv	97
4) Chloromethane	3.11	50	670186	9.105 ppbv	98
5) Vinyl Chloride	3.22	62	635977	8.857 ppbv	98
6) Bromomethane	3.44	94	374349	8.732 ppbv	93
7) Chloroethane	3.53	64	232527	9.017 ppbv	90
8) Dichlorotetrafluoroethane	3.15	85	1398640	8.465 ppbv	98
9) Propene	2.97	41	559828	10.045 ppbv	99
10) Heptane	8.14	43	1442000	10.328 ppbv	96
11) Trichlorofluoromethane	3.93	101	1388567	8.435 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	989923	8.445 ppbv	96
13) Ethanol	3.58	45	143316	7.793 ppbv	99
14) Bromoethene	3.71	108	448371	9.256 ppbv	98
15) Acetone	3.82	43	1143209	7.687 ppbv	98
16) 1,3-Butadiene	3.29	39	602724	9.417 ppbv	98
17) tert-Butyl alcohol	4.27	59	1180260	8.920 ppbv	99
18) 1,1-Dichloroethene	4.27	96	461641	9.078 ppbv	96
19) Isopropyl Alcohol	3.94	45	857552	8.646 ppbv	100
20) Methylene Chloride	4.32	84	400503	8.135 ppbv	96
21) Allyl Chloride	4.39	41	806294	9.598 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	452556	8.984 ppbv	97
23) Vinyl Acetate	5.06	43	1928494	10.226 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1290930	8.887 ppbv	99
25) Ethyl Acetate	5.67	43	2388538	9.561 ppbv	99
26) Hexane	5.68	57	1042781	9.628 ppbv	99
27) Carbon Disulfide	4.53	76	1149047	9.002 ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1570671	9.523 ppbv	98
29) Chloroform	5.75	83	1556296	8.783 ppbv	97
30) Cyclohexane	7.14	84	894685	10.705 ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1056133	9.995 ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1475097	9.218 ppbv	100
34) 2-Butanone	5.24	43	1627065	9.841 ppbv	99
35) Carbon Tetrachloride	7.03	117	1502011	8.946 ppbv	99
36) Benzene	6.90	78	2106686	9.606 ppbv	99
37) 1,2-Dichloroethane	6.32	62	1191343	8.806 ppbv	99
38) Trichloroethene	7.85	130	790515	9.304 ppbv	94
39) 1,2-Dichloropropane	7.63	63	832613	9.470 ppbv	97
40) 1,4-Dioxane	7.84	88	320672	8.973 ppbv	92
41) Tetrahydrofuran	6.05	42	937389	10.769 ppbv	98
42) Bromodichloromethane	7.81	83	1640740	8.992 ppbv	96
43) Methyl Methacrylate	8.03	69	955703	10.320 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	3612259	9.264	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1048111	11.215	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1248653	10.882	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	867139	9.346	ppbv	96
48) Dibromochloromethane	10.34	129	1378708	9.663	ppbv	100
49) Bromoform	13.09	173	1210913	9.864	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2355828	9.993	ppbv	98
51) 2-Hexanone	10.16	43	1954774	10.601	ppbv #	98
52) Tetrachloroethene	11.26	164	736205	9.440	ppbv	97
53) Toluene	9.83	91	2435168	10.474	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1309436	9.611	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	1046878	8.621	ppbv	97
57) Chlorobenzene	12.19	112	1812652	8.497	ppbv	98
58) Ethyl Benzene	12.75	91	3224535	9.684	ppbv	99
59) m/p-Xylene	13.04	91	5243917m	17.899	ppbv	
60) o-Xylene	13.73	91	2584030	8.938	ppbv	99
61) Styrene	13.57	104	1922697	10.509	ppbv	98
62) Isopropylbenzene	14.71	105	3845205	8.909	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1795828	7.891	ppbv	100
64) n-propylbenzene	15.61	120	1014065	9.160	ppbv	99
65) tert-Butylbenzene	16.80	119	3302993	8.823	ppbv	99
66) Benzyl Chloride	17.04	91	1247493	9.816	ppbv	99
67) sec-Butylbenzene	17.35	105	4726554	8.845	ppbv	99
69) p-Isopropyltoluene	17.70	119	3887749	8.993	ppbv	99
70) n-Butylbenzene	18.60	91	4077435	8.861	ppbv	99
71) 2-Chlorotoluene	15.50	91	3001224	9.212	ppbv	99
72) 4-Ethyltoluene	15.89	105	3059473	9.486	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2841760	9.054	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	2910973	8.496	ppbv	95
75) 1,3-Dichlorobenzene	17.05	146	1659673	8.250	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1688435	8.833	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1591841	8.398	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1379257	8.536	ppbv	100
79) Naphthalene	22.27	128	2987478	11.197	ppbv	99
80) Naphthalene,2-methyl-	25.02	142	1364870	20.811	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	1580569	9.769	ppbv	99

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

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