

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034943.D
 Acq On : 6 May 2020 14:42
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050620

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:30:15 PM

Quant Time: May 06 15:12:25 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	1227614	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2839277	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2751617m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2174674	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1397357	8.020	ppbv 98
3) Chlorodifluoromethane	2.95	51	1228574	8.766	ppbv 98
4) Chloromethane	3.10	50	719391	8.956	ppbv 98
5) Vinyl Chloride	3.22	62	683718	8.726	ppbv 99
6) Bromomethane	3.44	94	392967	8.399	ppbv 93
7) Chloroethane	3.53	64	244412	8.685	ppbv 95
8) Dichlorotetrafluoroethane	3.15	85	1490296	8.265	ppbv 99
9) Propene	2.97	41	584861	9.616	ppbv 100
10) Heptane	8.14	43	1502837	9.863	ppbv 98
11) Trichlorofluoromethane	3.93	101	1451159	8.078	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1025812	8.019	ppbv 99
13) Ethanol	3.57	45	159300	7.938	ppbv 98
14) Bromoethene	3.71	108	471875	8.926	ppbv 97
15) Acetone	3.82	43	1212199	7.469	ppbv 100
16) 1,3-Butadiene	3.29	39	640578	9.172	ppbv 98
17) tert-Butyl alcohol	4.27	59	1252482	8.674	ppbv 99
18) 1,1-Dichloroethene	4.27	96	484683	8.733	ppbv 97
19) Isopropyl Alcohol	3.94	45	933536	8.625	ppbv 99
20) Methylene Chloride	4.32	84	425009	7.911	ppbv 94
21) Allyl Chloride	4.39	41	850438	9.277	ppbv 97
22) trans-1,2-Dichloroethene	4.87	96	472246	8.590	ppbv 97
23) Vinyl Acetate	5.06	43	2007122	9.753	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1386713	8.748	ppbv 99
25) Ethyl Acetate	5.67	43	2504688	9.188	ppbv 100
26) Hexane	5.68	57	1118275	9.462	ppbv 99
27) Carbon Disulfide	4.53	76	1225483	8.797	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	1672342	9.291	ppbv 99
29) Chloroform	5.75	83	1661975	8.595	ppbv 95
30) Cyclohexane	7.14	84	922410	10.114	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1138132	9.870	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	1596899	9.144	ppbv 99
34) 2-Butanone	5.23	43	1682519	9.534	ppbv 100
35) Carbon Tetrachloride	7.03	117	1608973	8.978	ppbv 98
36) Benzene	6.90	78	2214970	9.462	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1274370	8.825	ppbv 99
38) Trichloroethene	7.85	130	820932	9.052	ppbv 98
39) 1,2-Dichloropropane	7.63	63	867839	9.248	ppbv 97
40) 1,4-Dioxane	7.85	88	363049m	9.518	ppbv
41) Tetrahydrofuran	6.05	42	959551	10.328	ppbv 100
42) Bromodichloromethane	7.81	83	1763940	9.058	ppbv 97
43) Methyl Methacrylate	8.03	69	1010969	10.228	ppbv 100

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44) 2,2,4-Trimethylpentane	7.88	57	3796819	9.123	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1109608	11.124	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1315105	10.738	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	888900	8.976	ppbv	97
48) Dibromochloromethane	10.34	129	1423487	9.348	ppbv	100
49) Bromoform	13.09	173	1200575	9.163	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2430749	9.660	ppbv	99
51) 2-Hexanone	10.16	43	1994100	10.132	ppbv	99
52) Tetrachloroethene	11.26	164	754005	9.059	ppbv	98
53) Toluene	9.83	91	2529146	10.192	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1308416	8.998	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1066242	8.593	ppbv	99
57) Chlorobenzene	12.19	112	1828050	8.386	ppbv	98
58) Ethyl Benzene	12.75	91	3269129	9.608	ppbv	99
59) m/p-Xylene	13.04	91	5473138m	18.282	ppbv	
60) o-Xylene	13.73	91	2622629	8.878	ppbv	100
61) Styrene	13.57	104	1916877	10.253	ppbv	99
62) Isopropylbenzene	14.71	105	3889824	8.819	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1839442	7.910	ppbv	100
64) n-propylbenzene	15.61	120	1015597	8.977	ppbv	99
65) tert-Butylbenzene	16.79	119	3338486	8.727	ppbv	100
66) Benzyl Chloride	17.04	91	1289067	9.926	ppbv	99
67) sec-Butylbenzene	17.35	105	4796774	8.784	ppbv	99
69) p-Isopropyltoluene	17.70	119	4013763	9.086	ppbv	100
70) n-Butylbenzene	18.60	91	4317701	9.183	ppbv	100
71) 2-Chlorotoluene	15.50	91	3029859	9.100	ppbv	99
72) 4-Ethyltoluene	15.88	105	3098153	9.400	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	2908159	9.067	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	3005364	8.584	ppbv	94
75) 1,3-Dichlorobenzene	17.05	146	1760904	8.566	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1763239	9.027	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1742298	8.995	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1584998	9.600	ppbv	99
79) Naphthalene	22.27	128	3438923	12.614	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1036245	15.463	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1806663	10.928	ppbv	99

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

