

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032320\
 Data File : VL034927.D
 Acq On : 23 Mar 2020 11:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 3/25/2020 11:54:05 AM

Quant Time: Mar 24 02:01:18 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	5.65	49	999921	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2200900	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2409341	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1888002	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1485750	10.851	ppbv 99
3) Chlorodifluoromethane	2.94	51	1103998	9.884	ppbv 97
4) Chloromethane	3.10	50	629074	9.965	ppbv 99
5) Vinyl Chloride	3.22	62	616821	10.163	ppbv 90
6) Bromomethane	3.43	94	370747	10.494	ppbv 98
7) Chloroethane	3.52	64	232204	10.595	ppbv 96
8) Dichlorotetrafluoroethane	3.15	85	1431000	10.063	ppbv 93
9) Propene	2.97	41	491435	9.215	ppbv 99
10) Heptane	8.12	43	1355089	10.324	ppbv 99
11) Trichlorofluoromethane	3.92	101	1445512	9.923	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1042298	10.223	ppbv 94
13) Ethanol	3.57	45	131127	8.088	ppbv 98
14) Bromoethene	3.70	108	443517	10.073	ppbv 98
15) Acetone	3.82	43	1157051	8.928	ppbv 98
16) 1,3-Butadiene	3.29	39	580236	9.901	ppbv 97
17) tert-Butyl alcohol	4.27	59	974125	7.802	ppbv 100
18) 1,1-Dichloroethene	4.26	96	478598	10.600	ppbv 99
19) Isopropyl Alcohol	3.94	45	712483	8.706	ppbv # 41
20) Methylene Chloride	4.31	84	423381	10.333	ppbv 93
21) Allyl Chloride	4.38	41	816724	9.812	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	470184	10.265	ppbv 98
23) Vinyl Acetate	5.05	43	1808847	9.449	ppbv 98
24) 1,1-Dichloroethane	4.99	63	1262216	9.835	ppbv 100
25) Ethyl Acetate	5.66	43	2218936	9.610	ppbv 100
26) Hexane	5.67	57	1009440	10.153	ppbv 97
27) Carbon Disulfide	4.53	76	1249267	11.073	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	1506513	9.107	ppbv 100
29) Chloroform	5.74	83	1536084	10.126	ppbv 97
30) Cyclohexane	7.13	84	828413	9.986	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	1006344	9.897	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	1492940	10.100	ppbv 99
34) 2-Butanone	5.22	43	1465840	10.022	ppbv 99
35) Carbon Tetrachloride	7.01	117	1520545	11.108	ppbv 97
36) Benzene	6.89	78	1989104	10.139	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1185440	10.717	ppbv 99
38) Trichloroethene	7.84	130	743465	9.979	ppbv 96
39) 1,2-Dichloropropane	7.62	63	789967	10.164	ppbv 96
40) 1,4-Dioxane	7.83	88	282659m	9.629	ppbv
41) Tetrahydrofuran	6.03	42	822533	10.393	ppbv 98
42) Bromodichloromethane	7.80	83	1664895	11.043	ppbv 99
43) Methyl Methacrylate	8.01	69	896305	10.845	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3452536	10.415	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1024146	10.547	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1211786	10.502	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	825449	10.348	ppbv	96
48) Dibromochloromethane	10.32	129	1374496	10.640	ppbv	99
49) Bromoform	13.06	173	1243450	10.796	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2224242	10.564	ppbv	99
51) 2-Hexanone	10.14	43	1821199	10.644	ppbv #	100
52) Tetrachloroethene	11.24	164	690819m	8.901	ppbv	
53) Toluene	9.82	91	2312437	10.207	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1253809	10.442	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1037327	9.585	ppbv	99
57) Chlorobenzene	12.17	112	1734349	9.200	ppbv	96
58) Ethyl Benzene	12.73	91	3150791	9.657	ppbv	99
59) m/p-Xylene	13.02	91	5164846m	18.894	ppbv	
60) o-Xylene	13.72	91	2593947	9.719	ppbv	98
61) Styrene	13.55	104	1863097	9.947	ppbv	98
62) Isopropylbenzene	14.69	105	3829856	9.490	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1852475	10.224	ppbv	99
64) n-propylbenzene	15.59	120	991453	9.439	ppbv	90
65) tert-Butylbenzene	16.78	119	3307684	9.376	ppbv	97
66) Benzyl Chloride	17.02	91	1320990	8.980	ppbv	97
67) sec-Butylbenzene	17.32	105	4742909	9.695	ppbv	99
69) p-Isopropyltoluene	17.68	119	3947136	9.623	ppbv	98
70) n-Butylbenzene	18.58	91	4216613	10.075	ppbv	99
71) 2-Chlorotoluene	15.48	91	2971061	9.721	ppbv	98
72) 4-Ethyltoluene	15.87	105	3094208	9.817	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2881634	9.766	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	3007620	9.894	ppbv #	93
75) 1,3-Dichlorobenzene	17.03	146	1725186	9.412	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1730542	9.461	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1688334	9.503	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1358100	9.152	ppbv	99
79) Naphthalene	22.25	128	2828982	11.933	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1117271	18.034	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1612414m	10.706	ppbv	

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

