

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
 Data File : VL036163.D
 Acq On : 16 Dec 2020 10:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 12/17/2020 3:55:45 PM

Quant Time: Dec 17 06:09:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1150204	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2442147	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2347446m	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2098836	11.26	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1207768	9.010	ppbv	99
3) Chlorodifluoromethane	2.96	51	1464200	11.157	ppbv	98
4) Chloromethane	3.12	50	679393	10.545	ppbv	95
5) Vinyl Chloride	3.24	62	651173	9.085	ppbv	95
6) Bromomethane	3.45	94	381691	10.320	ppbv	92
7) Chloroethane	3.53	64	219727	8.999	ppbv	91
8) Dichlorotetrafluoroethane	3.17	85	1573087	10.559	ppbv	91
9) Propene	2.99	41	666551	10.139	ppbv	97
10) Heptane	8.10	43	1746081	10.400	ppbv	99
11) Trichlorofluoromethane	3.92	101	1740463	11.044	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1106960	10.343	ppbv	94
13) Ethanol	3.58	45	105910	11.686	ppbv	89
14) Bromoethene	3.72	108	468368	10.667	ppbv	94
15) Acetone	3.83	43	1569577	11.354	ppbv	96
16) 1,3-Butadiene	3.30	39	707206	10.158	ppbv	98
17) tert-Butyl alcohol	4.27	59	1247408	9.316	ppbv	100
18) 1,1-Dichloroethene	4.26	96	471476	9.922	ppbv	92
19) Isopropyl Alcohol	3.95	45	793826	9.395	ppbv #	100
20) Methylene Chloride	4.32	84	441547	7.795	ppbv	91
21) Allyl Chloride	4.39	41	918342	9.991	ppbv	94
22) trans-1,2-Dichloroethene	4.86	96	453579	9.534	ppbv	94
23) Vinyl Acetate	5.05	43	1866630	10.142	ppbv #	97
24) 1,1-Dichloroethane	4.99	63	1257253	9.713	ppbv	99
25) Ethyl Acetate	5.65	43	2920447	10.575	ppbv	99
26) Hexane	5.66	57	1194528	9.611	ppbv	100
27) Carbon Disulfide	4.53	76	1257999	10.184	ppbv	95
28) Methyl tert-Butyl Ether	5.01	73	1674152	9.474	ppbv	99
29) Chloroform	5.73	83	1818119	11.139	ppbv	98
30) Cyclohexane	7.11	84	956545	10.477	ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	1240640	10.981	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	1792922	10.646	ppbv	98
34) 2-Butanone	5.22	43	1808650	11.165	ppbv	100
35) Carbon Tetrachloride	6.99	117	1720898	12.084	ppbv	99
36) Benzene	6.87	78	2395098	11.572	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1548394	12.911	ppbv	98
38) Trichloroethene	7.81	130	727798	9.407	ppbv	93
39) 1,2-Dichloropropane	7.59	63	967852	11.841	ppbv	97
40) 1,4-Dioxane	7.81	88	302937	11.784	ppbv #	99
41) Tetrahydrofuran	6.02	42	1093866	11.366	ppbv	99
42) Bromodichloromethane	7.77	83	2000627	12.519	ppbv	97
43) Methyl Methacrylate	7.99	69	1047037	11.792	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4236569	11.303	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1179123	12.926	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1415408	12.380	ppbv	95
47) 1,1,2-Trichloroethane	9.46	97	915934	11.648	ppbv	94
48) Dibromochloromethane	10.28	129	1454118	12.246	ppbv	98
49) Bromoform	13.01	173	1198270	12.821	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	2877503	11.911	ppbv	100
51) 2-Hexanone	10.11	43	2345407	12.420	ppbv #	98
52) Tetrachloroethene	11.20	164	710589	9.484	ppbv	95
53) Toluene	9.78	91	2662788	11.458	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1356797	11.511	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1094412	11.244	ppbv	96
57) Chlorobenzene	12.12	112	1777901	10.788	ppbv	94
58) Ethyl Benzene	12.69	91	3664278	11.390	ppbv	99
59) m/p-Xylene	12.98	91	6252225m	23.075	ppbv	
60) o-Xylene	13.67	91	2899699	11.359	ppbv	96
61) Styrene	13.50	104	1957782	11.945	ppbv	96
62) Isopropylbenzene	14.64	105	4175345	11.034	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	2007417	11.676	ppbv	99
64) n-propylbenzene	15.54	120	997679	10.959	ppbv	81
65) tert-Butylbenzene	16.73	119	3431970	11.080	ppbv	92
66) Benzyl Chloride	16.97	91	1178248	15.277	ppbv	96
67) sec-Butylbenzene	17.27	105	5003672	11.543	ppbv	97
69) p-Isopropyltoluene	17.63	119	3932152	11.404	ppbv	96
70) n-Butylbenzene	18.53	91	4381626	12.857	ppbv	99
71) 2-Chlorotoluene	15.43	91	3410976	11.925	ppbv	95
72) 4-Ethyltoluene	15.82	105	3236686	11.704	ppbv	97
73) 1,3,5-Trimethylbenzene	15.97	105	3053008	11.560	ppbv	95
74) 1,2,4-Trimethylbenzene	16.74	105	3085547	11.638	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	1538270	11.591	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	1480985	10.961	ppbv	95
77) 1,2-Dichlorobenzene	17.79	146	1466269	11.572	ppbv	97
78) Hexachloro-1,3-Butadiene	23.35	225	905425	8.916	ppbv	100
79) Naphthalene	22.17	128	1546708	11.477	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	588444	19.527	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	895976	9.951	ppbv #	100

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

