

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036129.D
 Acq On : 9 Dec 2020 13:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:24:28 PM

Quant Time: Dec 10 01:14:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 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	5.68	49	1259963	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2694594	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2672700m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2198717	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1370243	9.332	ppbv 100
3) Chlorodifluoromethane	2.99	51	1690859	11.762	ppbv 100
4) Chloromethane	3.14	50	806340	11.425	ppbv 98
5) Vinyl Chloride	3.26	62	796217	10.140	ppbv 100
6) Bromomethane	3.48	94	435906	10.759	ppbv 90
7) Chloroethane	3.56	64	282518	10.563	ppbv 89
8) Dichlorotetrafluoroethane	3.19	85	1766915	10.827	ppbv 92
9) Propene	3.01	41	788249	10.946	ppbv 97
10) Heptane	8.14	43	1983410	10.784	ppbv 99
11) Trichlorofluoromethane	3.96	101	1912551	11.078	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1225870	10.456	ppbv 93
13) Ethanol	3.61	45	98929	9.965	ppbv 94
14) Bromoethene	3.74	108	512842	10.662	ppbv 96
15) Acetone	3.86	43	1675834	11.067	ppbv 97
16) 1,3-Butadiene	3.33	39	811409	10.639	ppbv 98
17) tert-Butyl alcohol	4.30	59	1293666	8.820	ppbv 99
18) 1,1-Dichloroethene	4.30	96	548825	10.543	ppbv 98
19) Isopropyl Alcohol	3.98	45	917622	9.914	ppbv # 100
20) Methylene Chloride	4.35	84	472599	7.616	ppbv 98
21) Allyl Chloride	4.42	41	980721	9.740	ppbv 95
22) trans-1,2-Dichloroethene	4.90	96	520026	9.978	ppbv 98
23) Vinyl Acetate	5.09	43	2165925	10.743	ppbv # 98
24) 1,1-Dichloroethane	5.02	63	1494379	10.539	ppbv 98
25) Ethyl Acetate	5.69	43	3298567	10.904	ppbv 100
26) Hexane	5.70	57	1377392	10.117	ppbv 97
27) Carbon Disulfide	4.56	76	1283159	9.483	ppbv 96
28) Methyl tert-Butyl Ether	5.04	73	1833414	9.472	ppbv 98
29) Chloroform	5.77	83	2064646	11.548	ppbv 97
30) Cyclohexane	7.15	84	1074188	10.740	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1414383	11.428	ppbv 93
32) 1,1,1-Trichloroethane	6.53	97	1971373	10.686	ppbv 97
34) 2-Butanone	5.26	43	2077430	11.623	ppbv 99
35) Carbon Tetrachloride	7.04	117	1901225	12.099	ppbv 97
36) Benzene	6.91	78	2723284	11.925	ppbv 96
37) 1,2-Dichloroethane	6.32	62	1758692	13.291	ppbv 98
38) Trichloroethene	7.86	130	816487	9.565	ppbv 94
39) 1,2-Dichloropropane	7.63	63	1115477	12.369	ppbv 93
40) 1,4-Dioxane	7.85	88	343527	12.111	ppbv # 41
41) Tetrahydrofuran	6.06	42	1226473	11.550	ppbv 98
42) Bromodichloromethane	7.81	83	2284236	12.955	ppbv 99
43) Methyl Methacrylate	8.03	69	1243795	12.696	ppbv 99

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44) 2,2,4-Trimethylpentane	7.89	57	4813204	11.638	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1269249	12.611	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1543004	12.231	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1030231	11.874	ppbv	96
48) Dibromochloromethane	10.33	129	1582130	12.075	ppbv	99
49) Bromoform	13.07	173	1281768	12.429	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	3276901	12.293	ppbv	100
51) 2-Hexanone	10.16	43	2669746	12.813	ppbv #	98
52) Tetrachloroethene	11.25	164	790600	9.564	ppbv	95
53) Toluene	9.82	91	2994644	11.678	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1520828	11.694	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.15	131	1182907	10.674	ppbv	97
57) Chlorobenzene	12.18	112	2013677	10.732	ppbv	96
58) Ethyl Benzene	12.73	91	4097174	11.186	ppbv	100
59) m/p-Xylene	13.02	91	6952488m	22.537	ppbv	
60) o-Xylene	13.72	91	3250643	11.184	ppbv	96
61) Styrene	13.56	104	2215486	11.872	ppbv	96
62) Isopropylbenzene	14.70	105	4681740	10.866	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2243042	11.459	ppbv	99
64) n-propylbenzene	15.59	120	1137605	10.975	ppbv	85
65) tert-Butylbenzene	16.77	119	3793717	10.758	ppbv	92
66) Benzyl Chloride	17.02	91	1146014	13.051	ppbv	96
67) sec-Butylbenzene	17.32	105	5572455	11.291	ppbv	98
69) p-Isopropyltoluene	17.68	119	4421183	11.262	ppbv	96
70) n-Butylbenzene	18.58	91	4906202	12.645	ppbv	99
71) 2-Chlorotoluene	15.48	91	3829372	11.758	ppbv	96
72) 4-Ethyltoluene	15.87	105	3630364	11.530	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	3442073	11.447	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	3478619	11.524	ppbv	93
75) 1,3-Dichlorobenzene	17.02	146	1738382	11.505	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1697394	11.034	ppbv	96
77) 1,2-Dichlorobenzene	17.85	146	1662952	11.527	ppbv	97
78) Hexachloro-1,3-Butadiene	23.41	225	987967	8.544	ppbv	99
79) Naphthalene	22.23	128	1766546	11.513	ppbv	95
80) Naphthalene, 2-methyl-	25.00	142	744324	21.694	ppbv	97
81) 1,2,4-Trichlorobenzene	21.96	180	1015322	9.904	ppbv #	100

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

