

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036099.D
 Acq On : 8 Dec 2020 17:13
 Operator : SY/AP
 Sample : VL1208ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:23:07 PM

Quant Time: Dec 09 07:34:09 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	1178970	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2659574	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2541598m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2109133	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1389968	10.117	ppbv	98
3) Chlorodifluoromethane	2.99	51	1480684	11.008	ppbv	99
4) Chloromethane	3.14	50	751723	11.383	ppbv	99
5) Vinyl Chloride	3.26	62	704907	9.594	ppbv	98
6) Bromomethane	3.48	94	361418	9.534	ppbv	90
7) Chloroethane	3.56	64	241693	9.657	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	1632535	10.691	ppbv	92
9) Propene	3.01	41	703936	10.447	ppbv	96
10) Heptane	8.14	43	1762690	10.242	ppbv	99
11) Trichlorofluoromethane	3.96	101	1712479	10.601	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1062779	9.688	ppbv	98
13) Ethanol	3.62	45	98837	10.640	ppbv	94
14) Bromoethene	3.74	108	467087	10.378	ppbv	97
15) Acetone	3.86	43	1498211	10.574	ppbv	97
16) 1,3-Butadiene	3.33	39	743270	10.415	ppbv	99
17) tert-Butyl alcohol	4.30	59	1095637	7.983	ppbv	99
18) 1,1-Dichloroethene	4.30	96	478828	9.830	ppbv	93
19) Isopropyl Alcohol	3.98	45	776034	8.961	ppbv #	100
20) Methylene Chloride	4.35	84	417364	7.188	ppbv	97
21) Allyl Chloride	4.42	41	898144	9.533	ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	486251	9.971	ppbv	95
23) Vinyl Acetate	5.09	43	1885260	9.994	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1336749	10.075	ppbv	98
25) Ethyl Acetate	5.69	43	2967449	10.483	ppbv	99
26) Hexane	5.70	57	1209103	9.491	ppbv	99
27) Carbon Disulfide	4.56	76	1226078	9.683	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	1705409	9.416	ppbv	100
29) Chloroform	5.77	83	1779966	10.639	ppbv	99
30) Cyclohexane	7.15	84	971036	10.376	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1231319	10.632	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	1758009	10.184	ppbv	98
34) 2-Butanone	5.26	43	1838956	10.424	ppbv	100
35) Carbon Tetrachloride	7.03	117	1697447	10.945	ppbv	98
36) Benzene	6.91	78	2444599	10.846	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1527380	11.695	ppbv	98
38) Trichloroethene	7.85	130	742557	8.813	ppbv	91
39) 1,2-Dichloropropane	7.63	63	993814	11.165	ppbv	99
40) 1,4-Dioxane	7.85	88	306012	10.930	ppbv #	29
41) Tetrahydrofuran	6.06	42	1130550	10.787	ppbv	100
42) Bromodichloromethane	7.81	83	2016679	11.588	ppbv	98
43) Methyl Methacrylate	8.03	69	1095541	11.330	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4355567	10.670	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1152366	11.600	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1411054	11.333	ppbv	95
47) 1,1,2-Trichloroethane	9.49	97	922436	10.772	ppbv	96
48) Dibromochloromethane	10.33	129	1440505	11.139	ppbv	99
49) Bromoform	13.07	173	1178092	11.575	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2941128	11.179	ppbv	100
51) 2-Hexanone	10.15	43	2409094	11.714	ppbv	99
52) Tetrachloroethene	11.24	164	746314	9.147	ppbv	96
53) Toluene	9.82	91	2738277	10.819	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1391175	10.838	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.15	131	1082715	10.274	ppbv	96
57) Chlorobenzene	12.17	112	1838519	10.304	ppbv	96
58) Ethyl Benzene	12.73	91	3774176	10.836	ppbv	99
59) m/p-Xylene	13.02	91	6296341m	21.462	ppbv	
60) o-Xylene	13.72	91	2932890	10.611	ppbv	97
61) Styrene	13.55	104	2032093	11.451	ppbv	97
62) Isopropylbenzene	14.69	105	4251906	10.378	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2011581	10.806	ppbv	100
64) n-propylbenzene	15.58	120	1044071	10.592	ppbv	89
65) tert-Butylbenzene	16.77	119	3499441	10.435	ppbv	94
66) Benzyl Chloride	17.01	91	1095874	13.124	ppbv	97
67) sec-Butylbenzene	17.32	105	5100984	10.868	ppbv	99
69) p-Isopropyltoluene	17.68	119	4025247	10.782	ppbv	97
70) n-Butylbenzene	18.58	91	4456083	12.077	ppbv	99
71) 2-Chlorotoluene	15.48	91	3492694	11.278	ppbv	96
72) 4-Ethyltoluene	15.86	105	3333395	11.133	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	3121178	10.915	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	3117056	10.859	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	1579718	10.994	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1546118	10.569	ppbv	96
77) 1,2-Dichlorobenzene	17.84	146	1512834	11.027	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	904229	8.224	ppbv	100
79) Naphthalene	22.23	128	1693032m	11.603	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	597008	18.298	ppbv	95
81) 1,2,4-Trichlorobenzene	21.96	180	902584	9.259	ppbv #	100

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

